# PHC-ZW770L

# SERVICE MANUAL

*AEP Model*
*UK Model*
*E Model*

**Ver 1.0 1999. 03**

| | | |
|---|---|---|
| CD Section | Model Name Using Similar Mechanism | PMC-D305L |
| | CD Mechanism Type | KSM-213CDM |
| | Optical Pick-up Name | KSS-213C |
| TC Section | Model Name Using Similar Mechanism | NEW |
| | Tape Transport Mechanism Type | MF-ZW750-117 |

## SPECIFICATIONS

**CD player section**

System
Compact disc digital audio system
Laser diode properties
Material: GaAlAs
Wave length: 780 nm
Emission duration: Continuous
Laser output: Less than 44.6 µW
(This output is the value measured at a distance of about 200 mm from the objective lens surface on the optical pick-up block with 7 mm aperture.)
Spindle speed
200 r/min (rpm) to 500 r/min (rpm) (CLV)
Number of channels
2
Frequency response
20 - 20,000 Hz +1/–2 dB
Wow and flutter
Below measurable limit

**Radio section**

Frequency range
FM: EE and CET model
65 - 74 MHz
87.5 - 108 MHz
Except EE and CET model
87.5 - 108 MHz
MW: 531 - 1,602 kHz
LW: 153 - 279 kHz
IF
FM: 10.7 MHz
MW/LW: 450 kHz
Aerials:
FM: Telescopic antenna
MW/LW: Built-in ferrite bar antenna

**Cassette-corder section**

Recording system
4-track 2 channel stereo
Fast winding time
Approx. 120 s (sec.) with Sony cassette C-60
Frequency response
TYPE I (normal): 80 - 12,500 Hz

**General**

Speaker
Full range: 10 cm (4 in.) dia.,
6 ohms, cone type (2)
Outputs
Headphones jack (stereo minijack)
For 16 - 68 ohms impedance headphones
Maximum power output
4.5 W + 4.5 W
Power requirements
For personal audio system:
230 V AC, 50 Hz
9 V DC, 6 R20 (size D) batteries
For memory back-up:
4.5 V DC, 3 R6 (size AA) batteries
For remote controller:
3 V DC, 2 R6 (size AA) batteries
Power consumption
AC 28 W

– Continued on next page –

## PERSONAL AUDIO SYSTEM

MICROFILM

SONY®

Battery life

For personal audio system:

| | |
|---|---|
| **FM recording** | |
| Sony R20P: | approx. 3.5 h |
| Sony alkaline LR20: | approx. 10 h |
| **Tape playback** | |
| Sony R20P: | approx. 1.5 h |
| Sony alkaline LR20: | approx. 5 h |
| **CD playback** | |
| Sony R20P: | approx. 1.5 h |
| Sony alkaline LR20: | approx. 4 h |

For memory back-up: approx. 1 year

Dimensions

Approx. 630 × 268 × 256 mm (w/h/d)
(24 7/8 × 10 5/8 × 10 1/8 inches) (incl. projecting parts)

Mass

Approx. 7.9 kg (17 lb. 7 oz.) (incl. batteries)

Supplied accessories

AC power cord (1)
Remote controller RMT-CZW750AD (1)

Design and specifications are subject to change without notice.

• Abbreviation
EE : East European model
CET : East European & CIS model

This Compact Disc player is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT label is located on the bottom exterior.

**CAUTION**

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

### Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270˚C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

### Notes on Chip Component Replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

### NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

### NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

**SAFETY-RELATED COMPONENT WARNING!!**

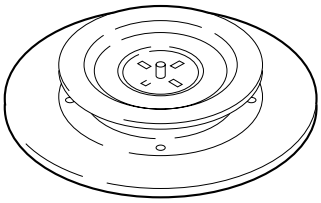
**COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.**

## SERVICING NOTES

### CHUCK PLATE JIG ON REPAIRING

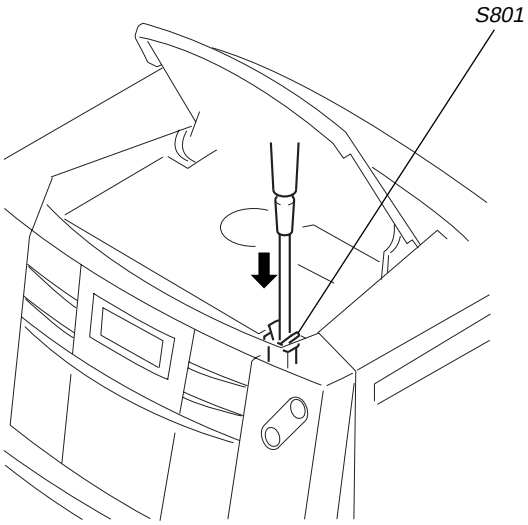
On repairing CD section, playing a disc without the CD lid, use Chuck Plate Jig.

• Code number of Chuck Plate Jig: X-4918-255-1



### LASER DIODE AND FOCUS SEARCH OPERATION CHECK

1. Turn on OPERATE button and press CD button to CD position.
2. Open the CD lid.
3. Turn on S801 as following figure.
4. Press the ►❚❚ (CD) button.
5. Confirm the laser diode emission while observing the objecting lens. When there is no emission, Auto Power Control circuit or Optical Pick-up is broken.
   Objective lens moves up and down three times for focus search.



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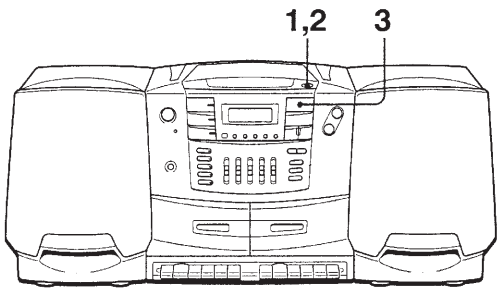
This section is extracted from instruction manual.



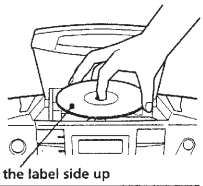
## Playing a CD




For hookup instructions, see pages 25 – 27.

**1**

Push ⏏ PUSH OPEN/CLOSE down to open the CD compartment and place the CD on the CD compartment.



With the label side up

**2**

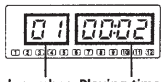
Close the lid of the CD compartment.

**3**

Press ►II.

The player turns on (direct power-on) and plays all the tracks once.

Display

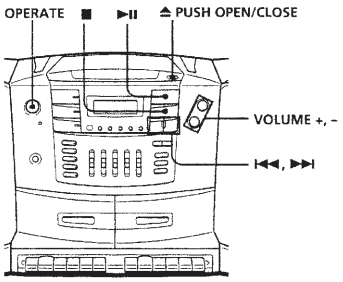



Track number Playing time

**Tip**

Next time you want to listen to a CD, just press ►II. The player turns on automatically and starts playing the CD.

**Use these buttons for additional operations**



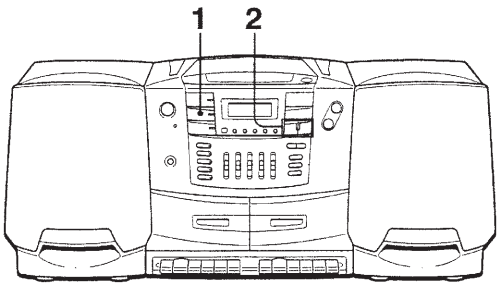

| To | Press |
|---|---|
| adjust the volume | VOLUME +, – (VOL +, – on the remote) |
| stop playback | ■ |
| pause playback | ►II ( II on the remote) Press the button again to resume play after pause. |
| go to the next track | ►►I |
| go back to the previous track | I◄◄ |
| remove the CD | ⏏ PUSH OPEN/CLOSE |
| turn on/off the player | OPERATE |







## Listening to the radio

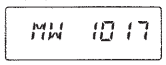



For hookup instructions, see pages 25 – 27.

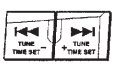
**1**

Press RADIO BAND until the band you want appears in the display (direct power-on).

Display




**2**

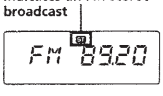



Hold down TUNE•TIME SET + or – (TUNE + or – on the remote) until the frequency digits begin to change in the display.

The player automatically scans the radio frequencies and stops when it finds a clear station.

If you cannot tune in to a station, press the button repeatedly to change the frequency step by step.

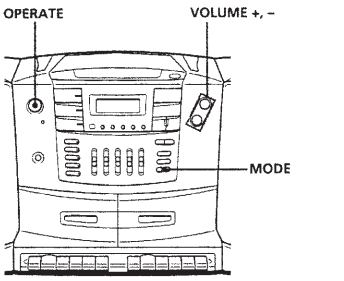
Indicates an FM stereo broadcast




**Tips**

- If the FM broadcast is noisy, press MODE until "Mono" appears in the display and radio will play in monaural.
- Next time you want to listen to the radio, just press RADIO BAND. The player turns on automatically and starts playing the previous station.

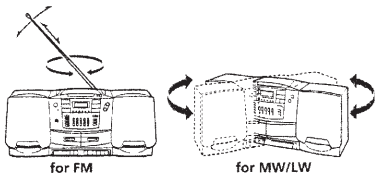
**Use these buttons for additional operations**




| To | Press |
|---|---|
| adjust the volume | VOLUME +, – (VOL +, – on the remote) |
| turn on/off the radio | OPERATE |

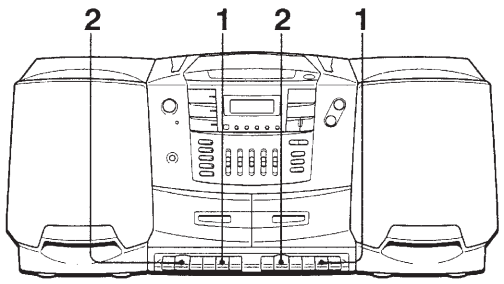
**To improve broadcast reception**

Reorient the antenna for FM. Reorient the player itself for MW/LW.



for FM for MW/LW

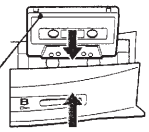
# Playing a tape




For hookup instructions, see pages 25 – 27.

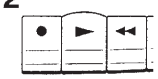
**1**

Press ■⏏ to open the tape compartment and insert a recorded tape. Use TYPE I (normal) tape only. Close the compartment.



With the side you want to play facing you

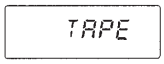
**2**



Press ►.

The player turns on (direct power-on) and starts playing.

Display



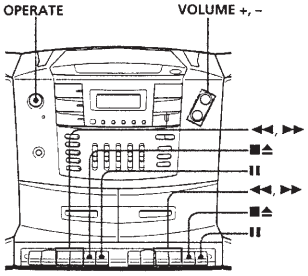

**Note**

During playback, do not press buttons on the other deck. Otherwise the playback speed may change.

**Tip**

Next time you want to listen to a tape, just press ►. The player turns on automatically and starts playing the tape.

**Use these buttons for additional operations**



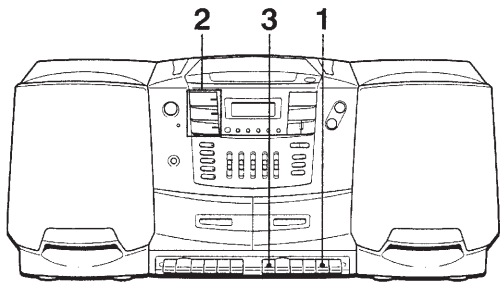

| To | Press |
|---|---|
| adjust the volume | VOLUME +, – (VOL +, – on the remote) |
| stop playback | ■⏏ |
| fast-forward or rewind the tape | ►► or ◄◄ |
| pause playback | II Press the button again to resume play after pause. |
| eject the cassette | ■⏏ |
| turn on/off the player | OPERATE |







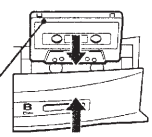
# Recording on a tape




For hookup instructions, see pages 25 – 27.

**1**

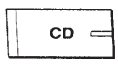
Press ■⏏ to open the tape compartment on deck B and insert a blank tape. Use TYPE I (normal) tape only.



With the side you want to record on facing you

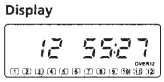
**2**

Select the program source you want to record.

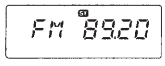



To record from the CD player: insert a CD (see page 4) and press CD.

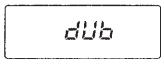
Display



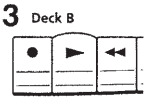
To record from the radio: tune in the station you want (see page 6).



To record from the tape (dubbing): insert a recorded tape into deck A and press TAPE until "dUb" appears in the display.



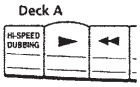

**3** Deck B



Start recording.

To record from the CD player and the radio, press ● on deck B (► is depressed automatically).

Deck A

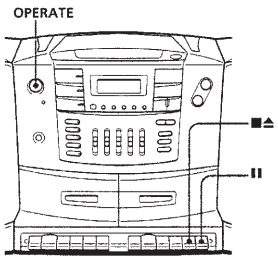



To record from the tape, press ● on deck B (► is depressed automatically). Then press ► on deck A. (For high speed dubbing, press HIGH-SPEED DUBBING instead of ► on deck A).

**Tips**

- Adjusting the volume or the audio emphasis (see pages 28 and 29) will not affect the recording level.
- If the MW/LW program makes a whistling sound after you have pressed ● in step 3, set the ISS (Interference Suppress Switch) at the rear of the player to the position that most decreases the noise.
- For the best results, use the AC power as a power source.

**Use these buttons for additional operations**




| To | Press |
|---|---|
| stop recording | ■⏏ on deck B |
| pause recording | II on deck B Press the button again to resume recording. |
| turn on/off the player | OPERATE |

To erase a recording, proceed as follows:

1 Insert a tape whose recording you want to erase into deck B.
2 Press TAPE untill "TAPE" appears in the display.
3 Press ●.

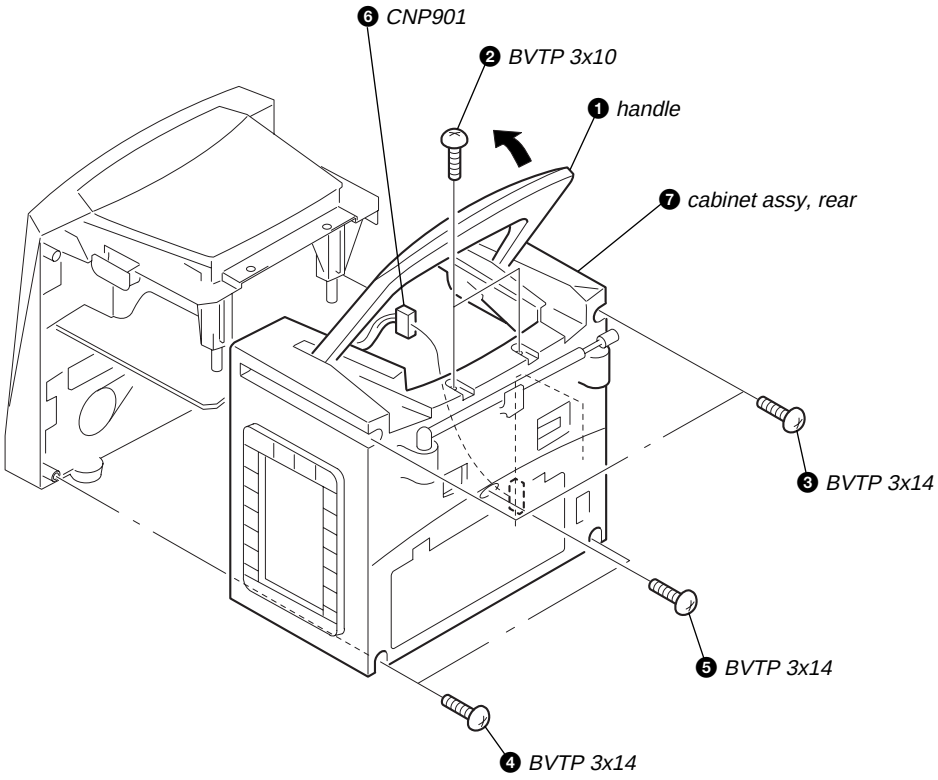
# SECTION 2
# DISASSEMBLY

• The equipment can be removed using the following procedure.

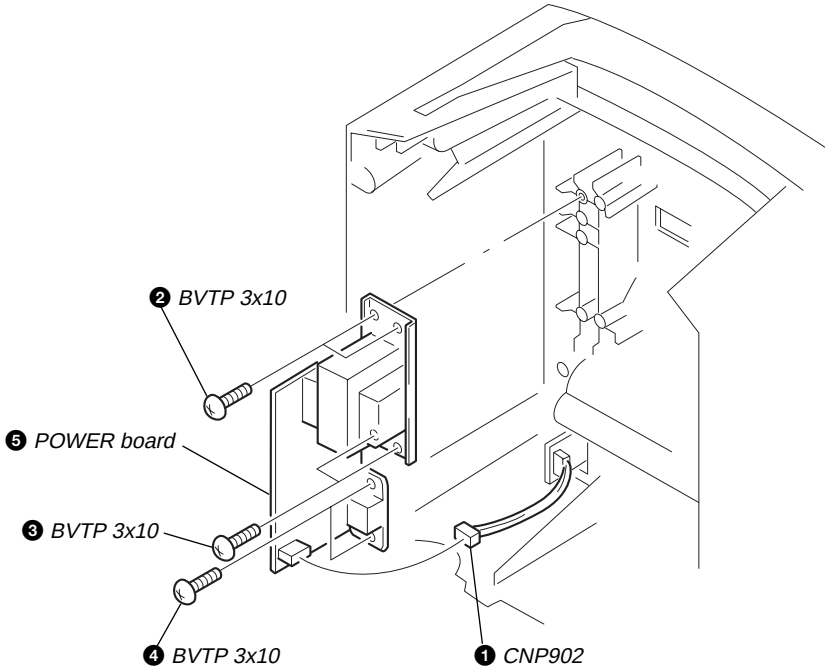
Set → Cabinet assy, rear → CD block assy → Main board → CD board → Optical pick-up section
CD block assy → MD block assy and Record/ Playback Switch board
CD block assy → Power board
Main board → Control board → Key board and Lamp board

**Note :** Follow the disassembly procedure in the numerical order given.

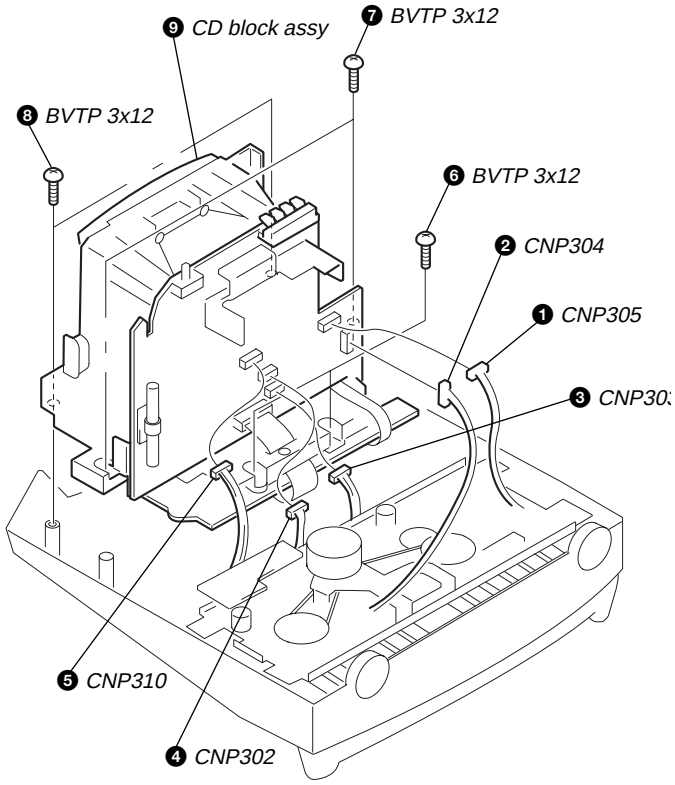
## 2-1. CABINET ASSY, REAR



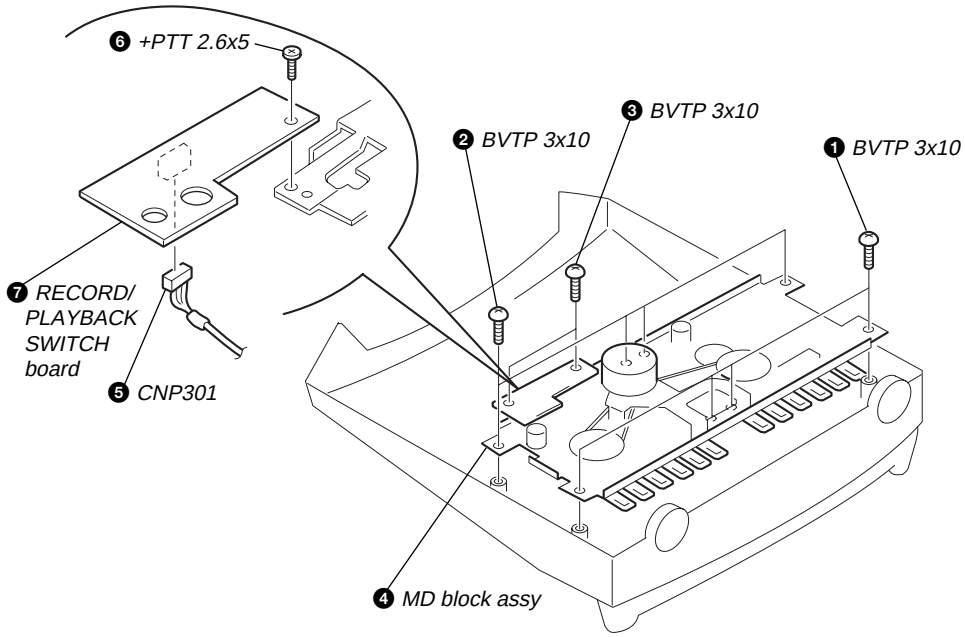

## 2-2. POWER BOARD



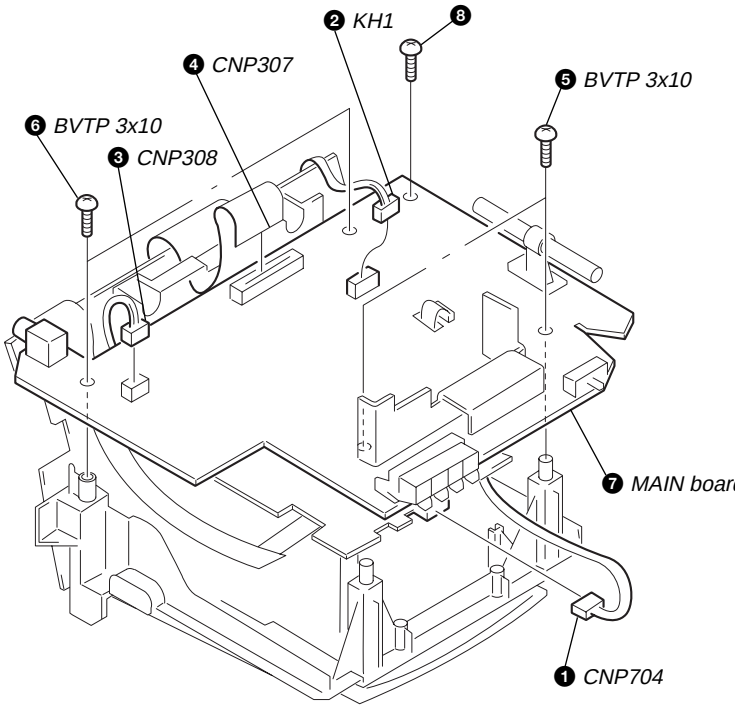
## 2-3. CD BLOCK ASSY



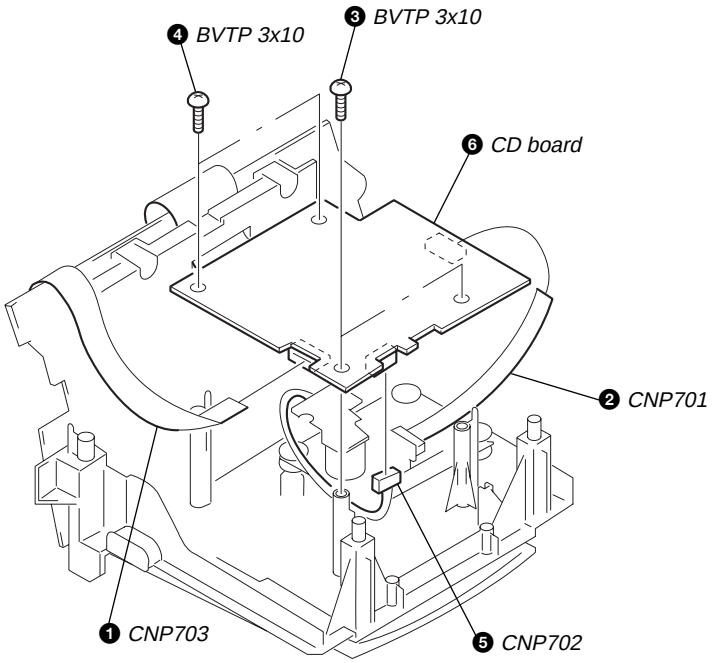

## 2-4. MD BLOCK ASSY AND RECORD/PLAYBACK SWITCH BOARD



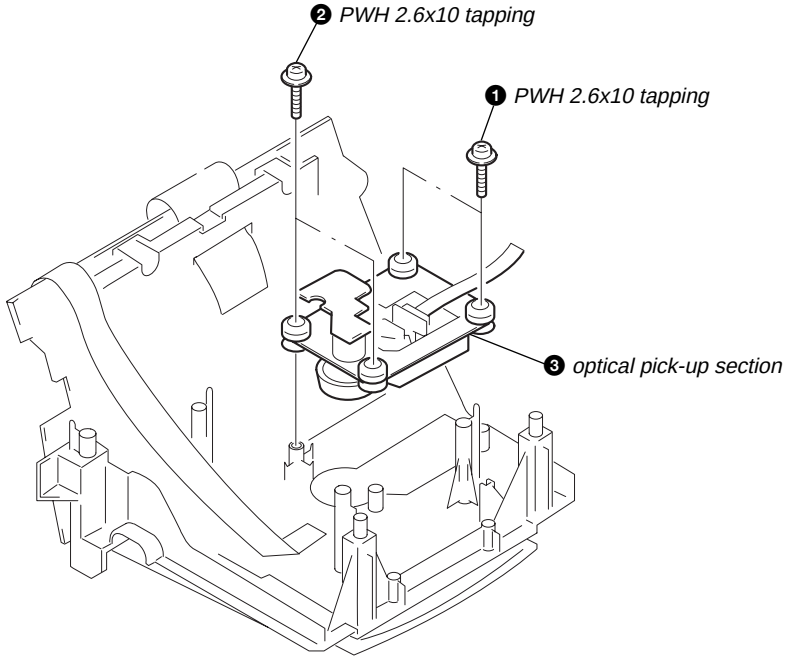
## 2-5. MAIN BOARD



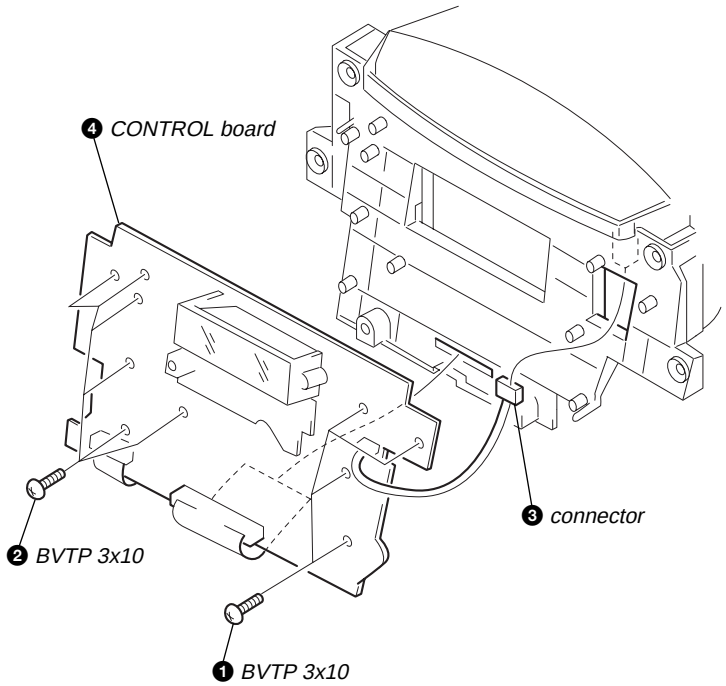

## 2-6. CD BOARD



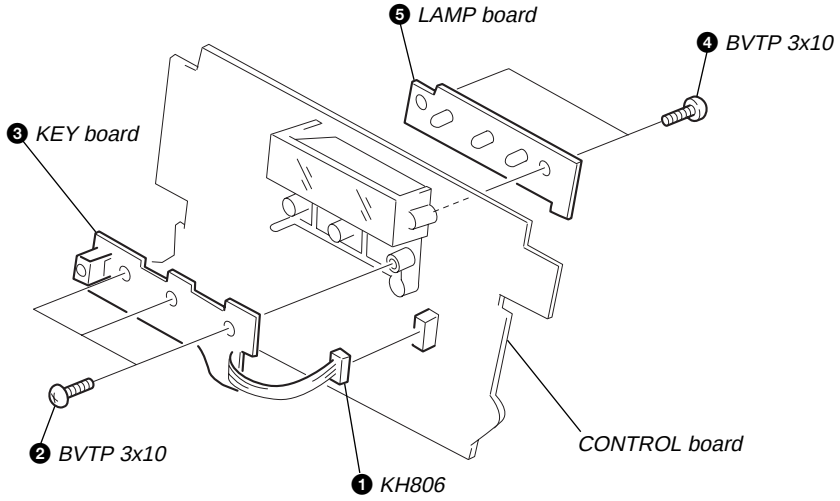
## 2-7. OPTICAL PICK-UP SECTION




## 2-8. CONTROL BOARD



## 2-9. KEY BOARD AND LAMP BOARD



# SECTION 3
# MECHANICAL ADJUSTMENTS

### PRECAUTION

1. Clean the following parts with a denatured alcohol-moistened swab :
   record/playback head  pinch roller
   erase head  rubber belts
   capstan  idlers
2. Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head demagnetizer close to the erase head.)
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.
6. Power supply voltage: 9 V dc.

**Torque Measurement** DECK A DECK B

| Mode | Torque meter | Meter reading |
|---|---|---|
| Forward | CQ-102C | 22.5 to 55 g • cm (0.31 to 0.76 oz • inch) |
| Forward back tension | CQ-102C | 2 to 5 g • cm (0.03 to 0.07 oz • inch) |
| Fast Forward and Rewind | CQ-201B | 60 to 120 g • cm (0.83 to 1.67 oz • inch) |

**Tape Tension Measurement** DECK A DECK B

| Mode | Tension meter | Meter reading |
|---|---|---|
| Forward | CQ-403A | more than 150 g (more than 5.29 oz) |

# SECTION 4
# ELECTRICAL ADJUSTMENTS

**TAPE SECTION** **0 dB = 0.775 V**

**Standard Output Level**

| Output terminal | SP OUT | PHONES OUT |
|---|---|---|
| load impedance | 6 Ω | 32 Ω |
| output signal level | 0.775 V (0 dB) | 0.25 V (–10 dB) |

**Test Tape**

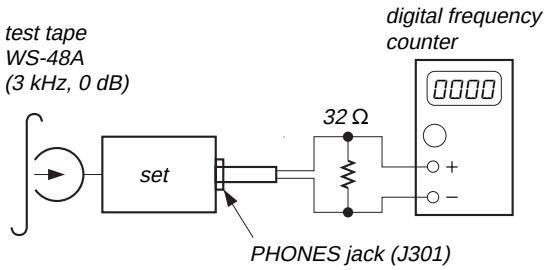
| Tape | Signal | Used for |
|---|---|---|
| WS-48A | 3 kHz, 0 dB | tape speed adjustment |

**Tape Speed Adjustment** DECK A DECK B

**Procedure:**

• Perform normal speed adjustment before high speed check.

Mode: playback (deck A)
record (deck B)



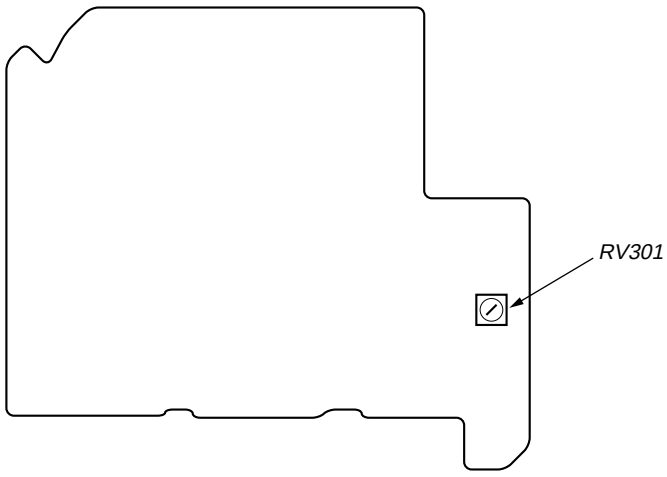

Adjust RV301 so that reading on digital frequency counter becomes 3,000 Hz.

**Specification Value:**

| Deck | Tape speed | Adjustment point | Frequency counter |
|---|---|---|---|
| A | Normal (playback) | RV301 | 2,985 to 3,015 Hz |
| A | HI-SPEED DUBBING (playback) | (confirmation) | 5,700 to 6,500 Hz |
| B | HI-SPEED DUBBING (record) | _____ | _____ |

Frequency difference between the beginning and the end of the tape should be within ± 1.5% (both Normal and Hi-speed).

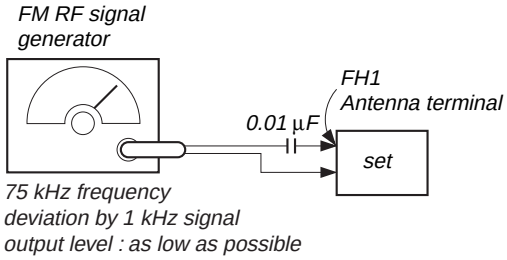
**Adjustment Location:** – main board (component side) –



## TUNER SECTION | 0 dB = 1 µV

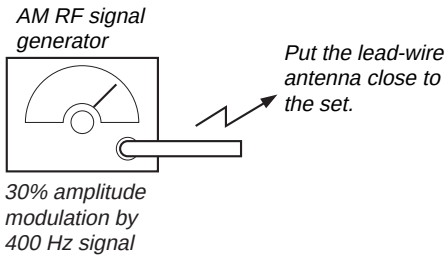
- **FM Section**

**Setting:**
RADIO BAND switch: FM

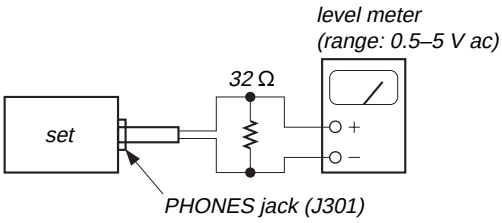

FM RF signal generator
FH1
Antenna terminal
0.01 µF
set
75 kHz frequency deviation by 1 kHz signal output level : as low as possible

- **MW/LW Section**

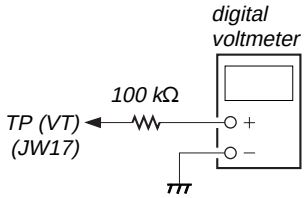
**Setting:**
RADIO BAND switch: MW or LW




- **Connecting Level Meter (FM, MW and LW)**




- **Connecting Digital Voltmeter (FM, MW and LW)**




- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

| FM FREQUENCY COVERAGE ADJUSTMENT | | |
|---|---|---|
| Frequency Display | 87.5 MHz | 108 MHz |
| Reading on Digital voltmeter | 1.6 ± 0.2 V | 3.6 ± 0.2 V |
| Adjustment Part | L2 | <confirmation> |

| FM TRACKING ADJUSTMENT | |
|---|---|
| Adjust for a maximum reading on level meter. | |
| L1 | (CT1) |
| 87.5 MHz | 108 MHz |

( ) : Except East European model

| MW FREQUENCY COVERAGE CHECK | | |
|---|---|---|
| Frequency Display | 531 kHz | 1,611 kHz |
| Reading on Digital voltmeter | 0.85 ± 0.05 V | 5.0 ± 0.4 V |
| Adjustment Part | <confirmation> | <confirmation> |

| MW TRACKING ADJUSTMENT | |
|---|---|
| Adjust for a maximum reading on level meter. | |
| L3-1 | CT3 |
| 621 kHz | 1,404 kHz |

| MW IF ADJUSTMENT |
|---|
| Adjust for a maximum reading on level meter. |
| T1 |
| 450 kHz |

| LW FREQUENCY COVERAGE ADJUSTMENT | | |
|---|---|---|
| Frequency Display | 153 kHz | 279 kHz |
| Reading on Digital voltmeter | 0.6 ± 0.1 V | 4.8 ± 0.4 V |
| Adjustment Part | <confirmation> | L4 |

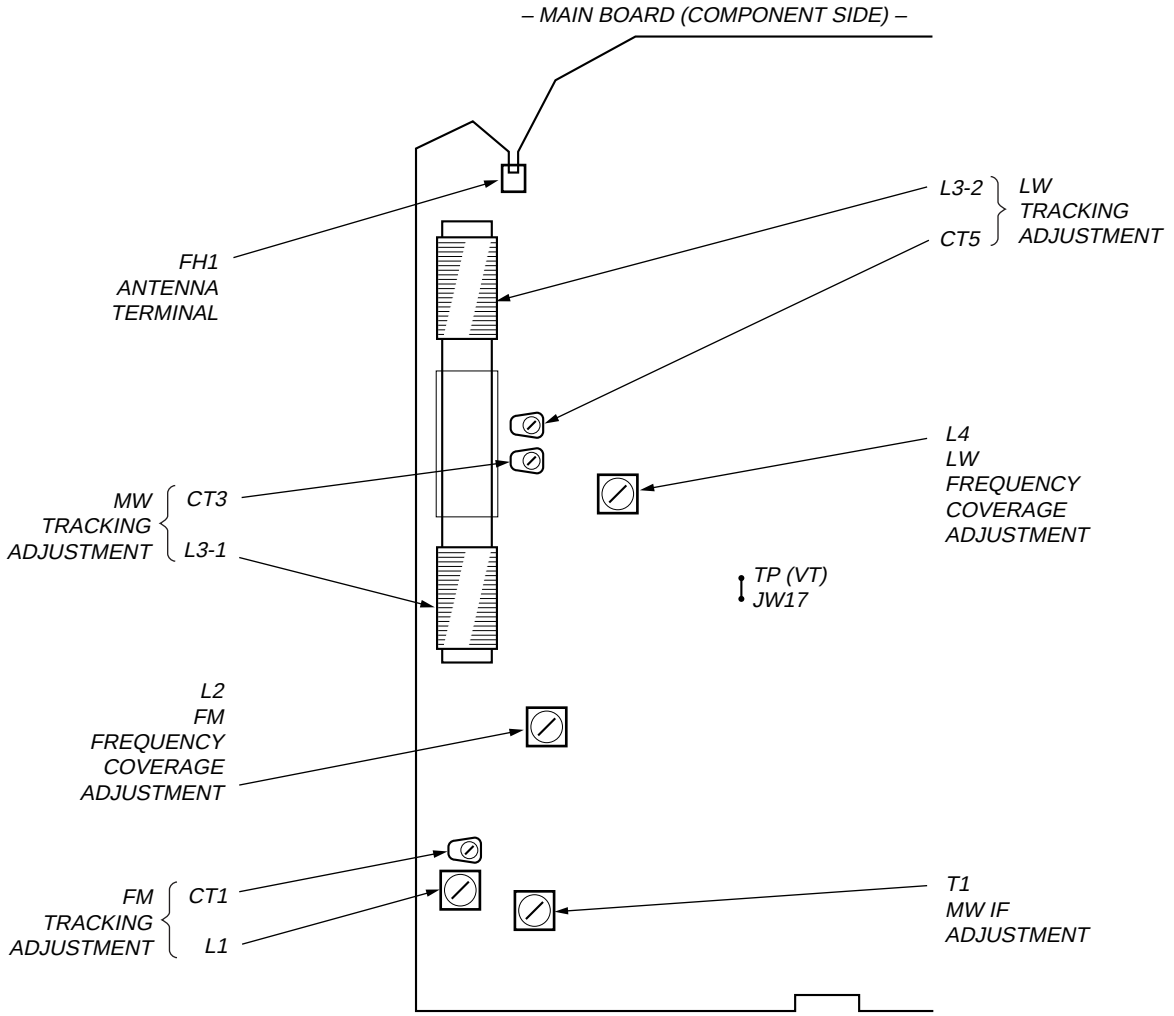
| LW TRACKING ADJUSTMENT | |
|---|---|
| Adjust for a maximum reading on level meter. | |
| L3-2 | CT5 |
| 162 kHz | 261 kHz |

**Note:** Adjustment procedure

①LW frequency coverage adjustment
↓
MW frequency coverage check
②MW tracking adjustment
↓
LW tracking adjustment
↓
MW tracking check

**Adjustment Location:** See page 14.

**Adjustment Location:** main board




## CD SECTION

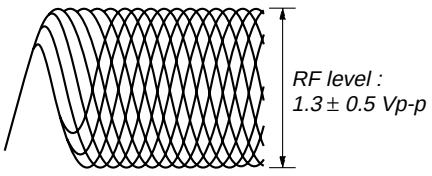
CD section adjustments are done automatically in this set.
In case of operation check, confirm that focus bias.

### FOCUS BIAS CHECK

1. Connect the oscilloscope between IC701 pin ㉝ (TP RFO) and GND on CD board.
2. Insert the disc (YEDS-18). (Part No. : 3-702-101-01)
3. Press the ▶II button.
4. Confirm that the oscilloscope waveform is as shown in the figure below. (eye pattern)
   A good eye pattern means that the diamond shape (◇) in the center of the waveform can be clearly distinguished.

• RF signal reference waveform (eye pattern)

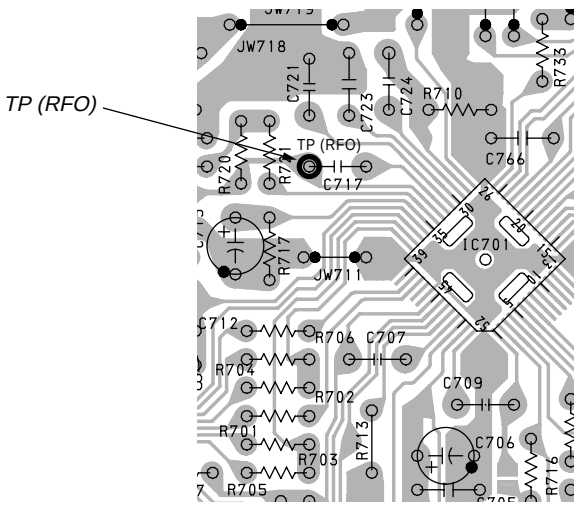
*VOLT/DIV : 200 mV (10 : 1 probe in use)*
*TIME/DIV : 500 nS*




When observing the eye pattern, set the oscilloscope for AC range and raise vertical sensitivity.

**Test Point:**

*– CD board (conductor side) –*



# SECTION 5
# DIAGRAMS

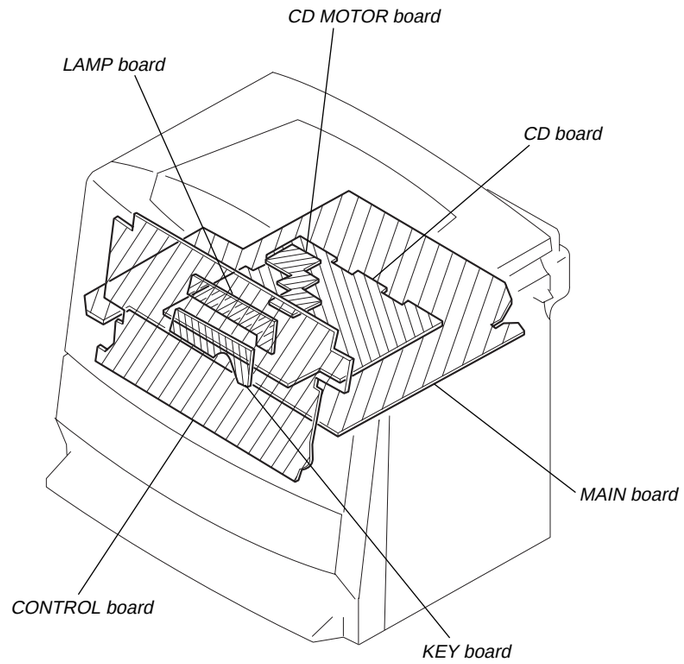
## 5-1. IC PIN DESCRIPTION

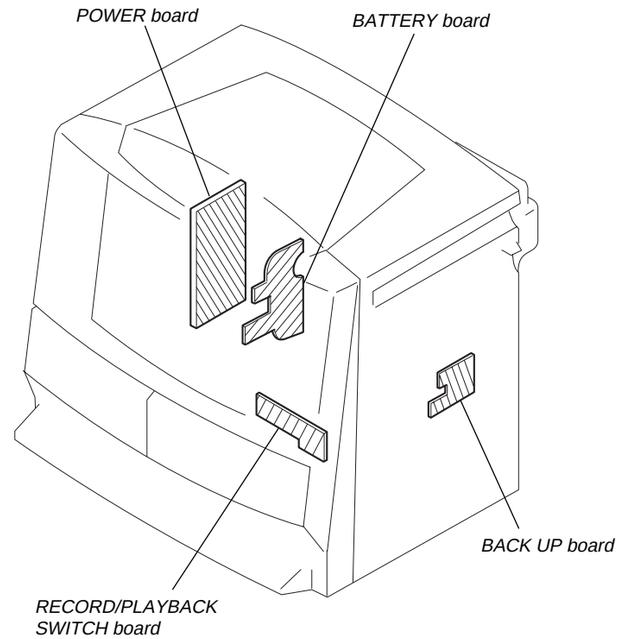
**• IC801 CXP83516-601Q (SYSTEM CONTROL)**

| Pin No. | Pin Name | I/O | Pin Description |
|---|---|---|---|
| 1 | C-SCOR/R-CNT | I | CD SCOR input |
| 2 | RMC | I | Sircs receiver input |
| 3 | CD | O | CD function output |
| 4 | C-MUT | O | CD block mute output |
| 5 | C-SEN1 | I | CD SENSE-1 input |
| 6 | C-SEN2 | I | CD SENSE-2 input |
| 7 | C-SQCK | O | CD Sub-Q read clock output |
| 8 | C-SQSO | I | CD Sub-Q data input |
| 9 | C-RST | O | CD reset output |
| 10 | C-CLK | O | CD serial clock output |
| 11 | C-LAT | O | CD serial latch output |
| 12 | C-DATA | O | CD serial data output |
| 13 | PCON | O | System power control output |
| 14 | RADIO | O | LED (RADIO BAND) drive signal output/Tuner switch |
| 15 | TAPE | O | LED (TAPE) drive signal output/Tape switch |
| 16 | DUB. | O | LED (TAPE) drive signal output/Dubbing switch |
| 17 | CLUB | O | LED (CLUB) drive signal output |
| 18 | JAZZ | O | LED (JAZZ) drive signal output |
| 19 | POP | O | LED (POP) drive signal output |
| 20 | ROCK | O | LED (ROCK) drive signal output |
| 21 | MANUAL | O | LED (MANUAL) drive signal output |
| 22 | TC1 | I | Deck A tape play switch input |
| 23 | TC2 | I | Deck B tape play switch input |
| 24 – 27 | KEY-1 – 4 | I | Key input |
| 28 | VERSION | I | Tuner destination band select input |
| 29 | INT/SFT-CLK | O | Shift clock output |
| 30 | $\overline{\text{RST}}$ | I | System reset input |
| 31 | EXTL | I | Oscillation input (4.19 MHz) |
| 32 | XTAL | O | Oscillation output (4.19 MHz) |
| 33 | VSS | — | GND |
| 34 | VL | O | LCD drive port ON/OFF output |
| 35 – 37 | VLC-3 – 1 | O | LCD drive voltage terminal |
| 38 – 41 | COM0 – 3 | O | LCD drive common output |
| 42 – 64 | SEG0 – 22 | O | LCD drive segment output |
| 65 | VL2 | O | LCD Bias control output |
| 66 | B-MUTE | O | Tuner mute signal output |
| 67 | R-LATCH | O | Tuner latch output |
| 68 | R-CLK | O | Tuner clock output |
| 69 | V-DATA/R-DATA | I | Tuner data input |
| 70 | V-LATCH | O | Graphic equalizer latch output |
| 71 | V-CLOCK | O | Graphic equalizer clock output |
| 72 | VDD | — | Power supply pin (+5 V) |
| 73 | TX | O | Oscillation output (32.768 kHz) |
| 74 | TXE | I | Oscillation input (32.768 kHz) |
| 75 | NC | — | Not used. |
| 76 | BL-CONT | O | LCD back light control signal |
| 77 | A-MUT | O | Audio mute output |
| 78 | REC | I | Tape record signal input |
| 79 | C-DOR | I | CD door open/close switch input |
| 80 | REGCK | I | Regulator check |

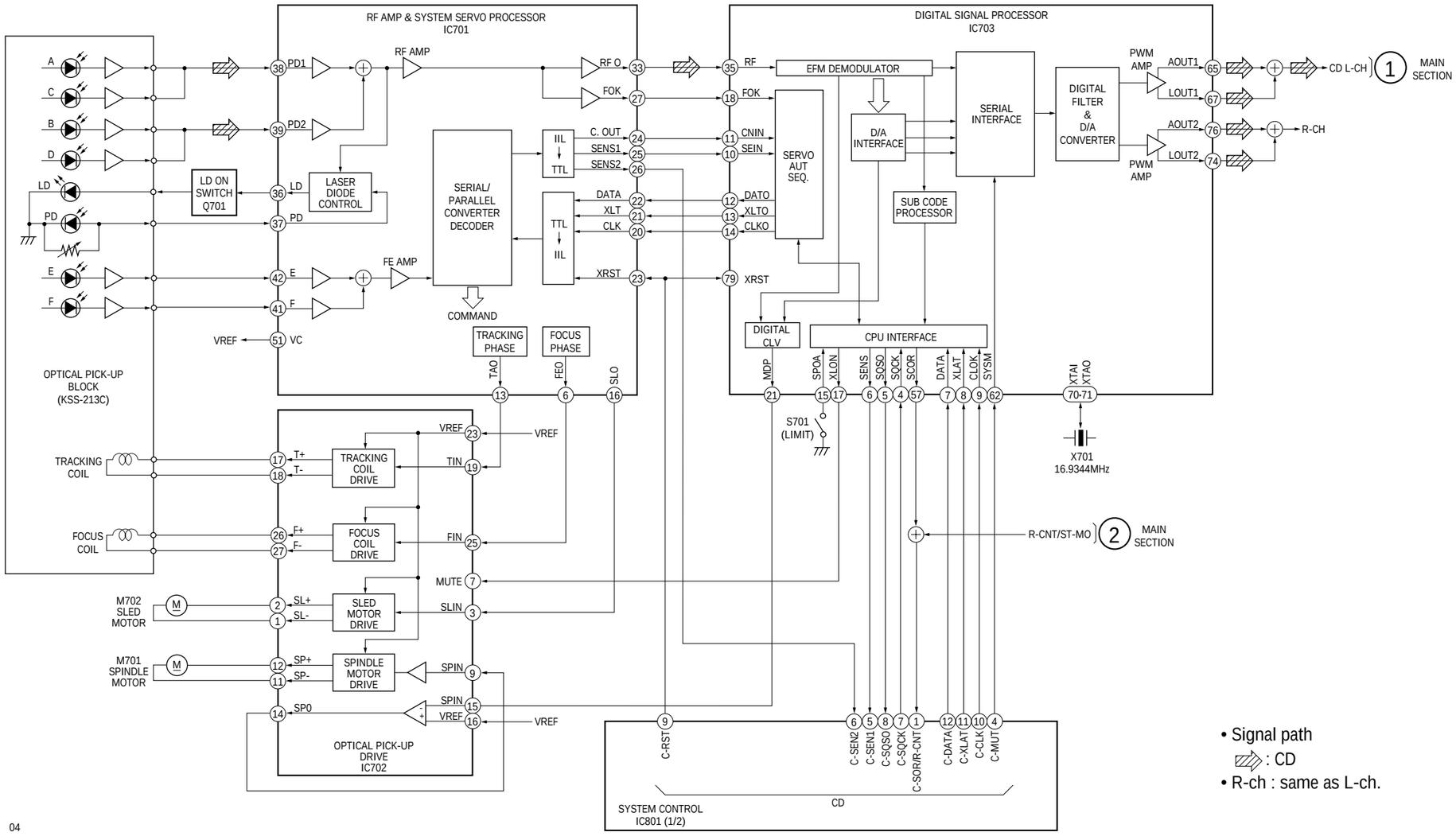


## 5-2. CIRCUIT BOARDS LOCATION



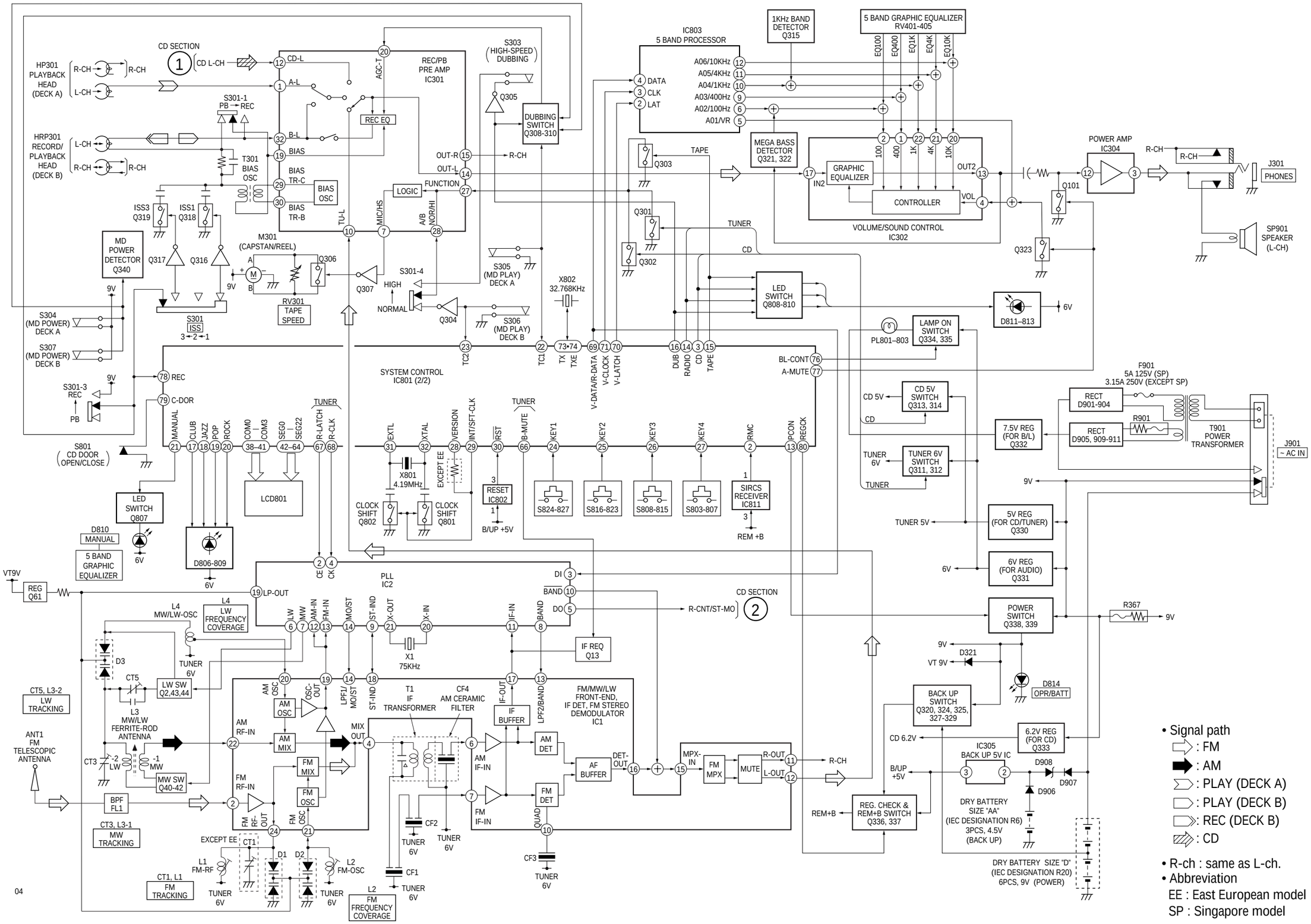
## 5-3. BLOCK DIAGRAM — CD SECTION —



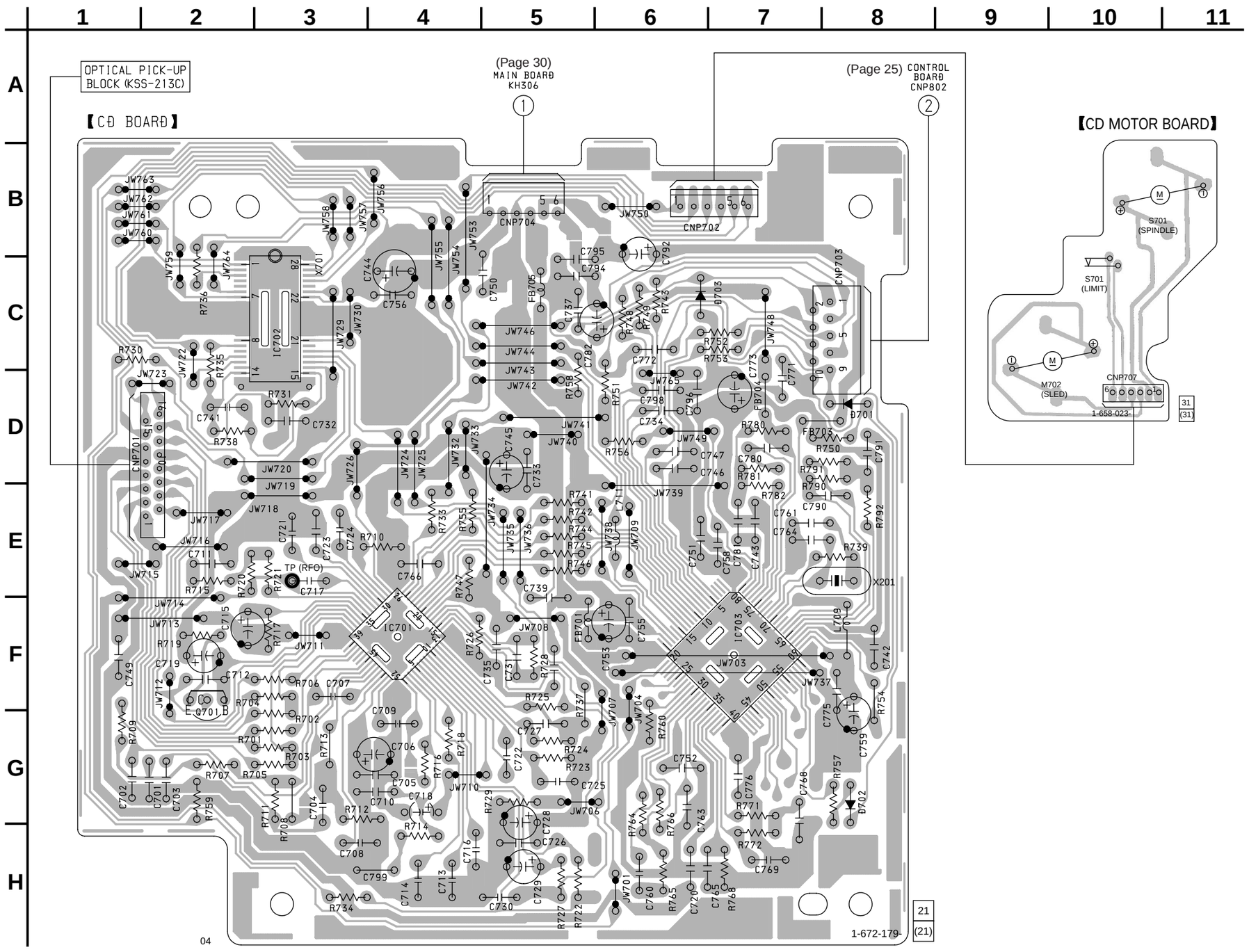

- Signal path
  : CD
- R-ch : same as L-ch.

04

## 5-4. BLOCK DIAGRAM — MAIN SECTION —



## 5-5. PRINTED WIRING BOARDS — CD SECTION — • Refer to page 16 for Circuit Boards Location.




• **Semiconductor Location**

| Ref. No. | Location |
|---|---|
| D701 | D-8 |
| D702 | G-8 |
| D703 | C-6 |
| IC701 | F-4 |
| IC702 | C-3 |
| IC703 | F-7 |
| Q701 | F-2 |

**Note on Printed Wiring Boards:**
- ○—— : parts extracted from the component side.
- ▒▒▒ : Pattern from the side which enables seeing.

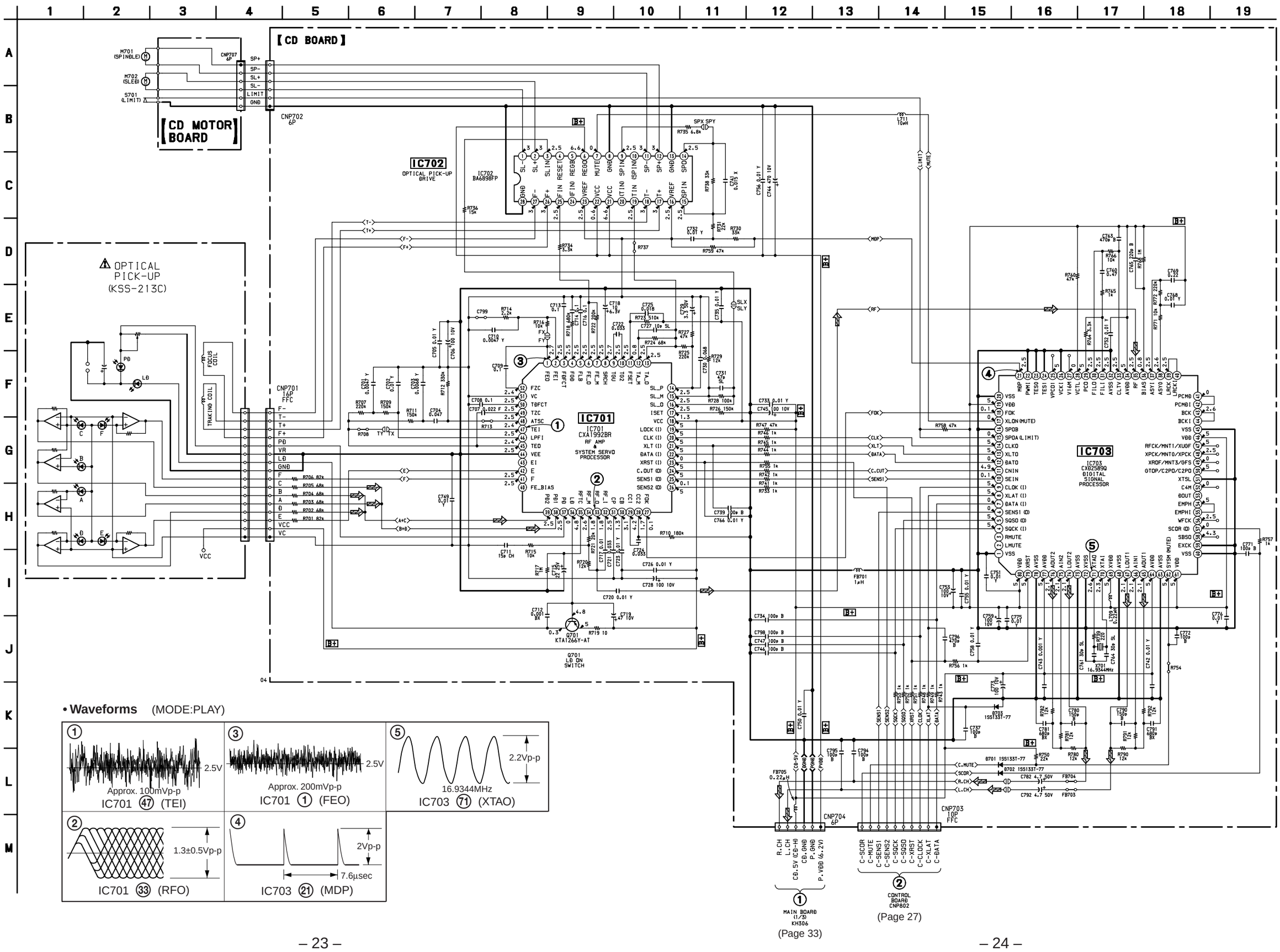
**Note on Schematic Diagram:**
- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.

**Note:** The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

- B+ : B+ Line.
- Power voltage is dc 9 V and fed with regulated dc power supply from battery terminal.
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
  no mark : CD STOP
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : CD

## 5-6. SCHEMATIC DIAGRAM — CD SECTION —

- Refer to page 22 for Note on Schematic Diagram.
- Refer to page 41 for IC Block Diagrams.

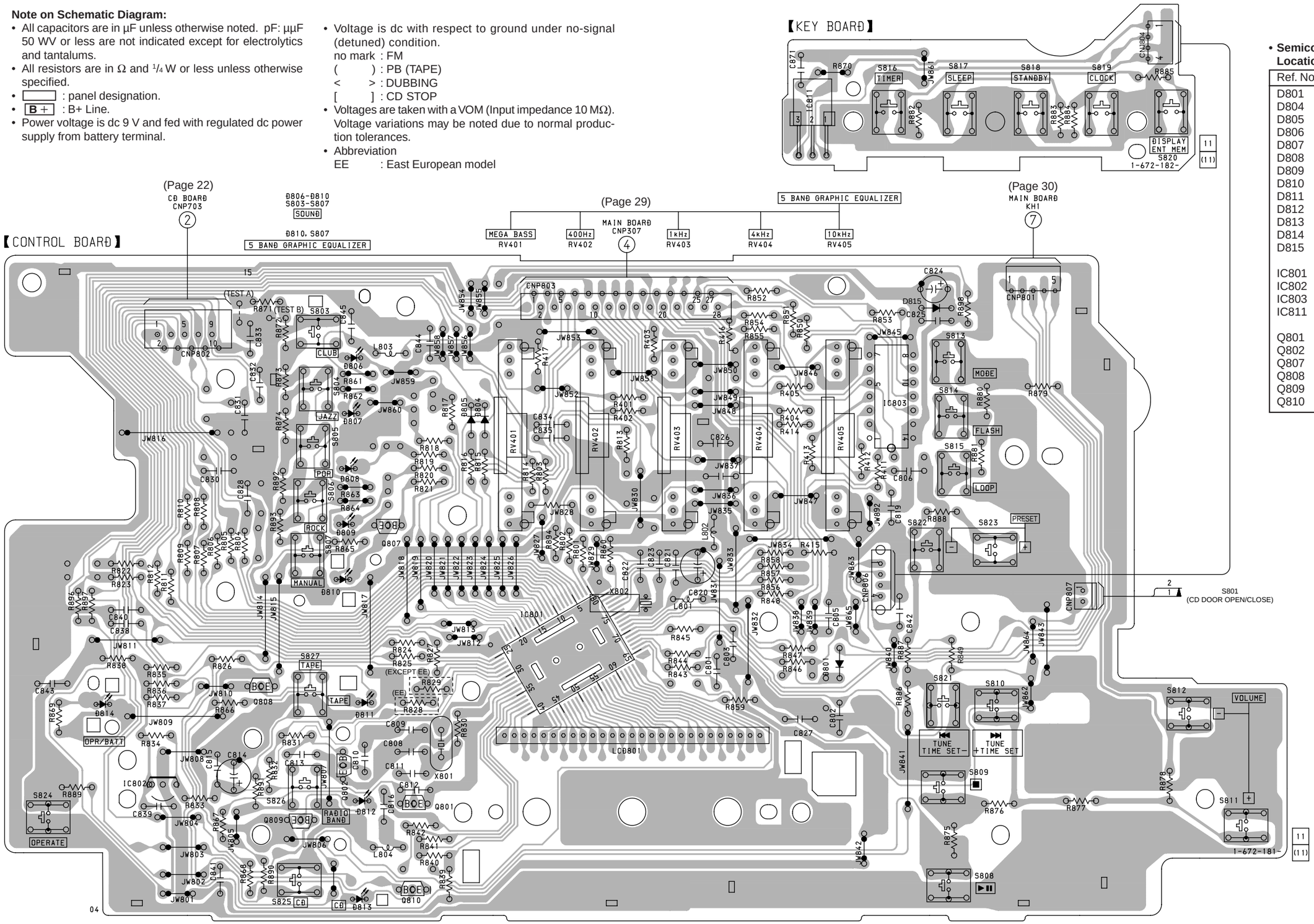



• **Waveforms** (MODE:PLAY)

## 5-7. PRINTED WIRING BOARDS — CONTROL SECTION — • Refer to page 16 for Circuit Boards Location.

**Note on Schematic Diagram:**

- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- ▭ : panel designation.
- B+ : B+ Line.
- Power voltage is dc 9 V and fed with regulated dc power supply from battery terminal.
- Voltage is dc with respect to ground under no-signal (detuned) condition.
  no mark : FM
  ( ) : PB (TAPE)
  < > : DUBBING
  [ ] : CD STOP
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Abbreviation
  EE : East European model




**Note on Printed Wiring Boards:**

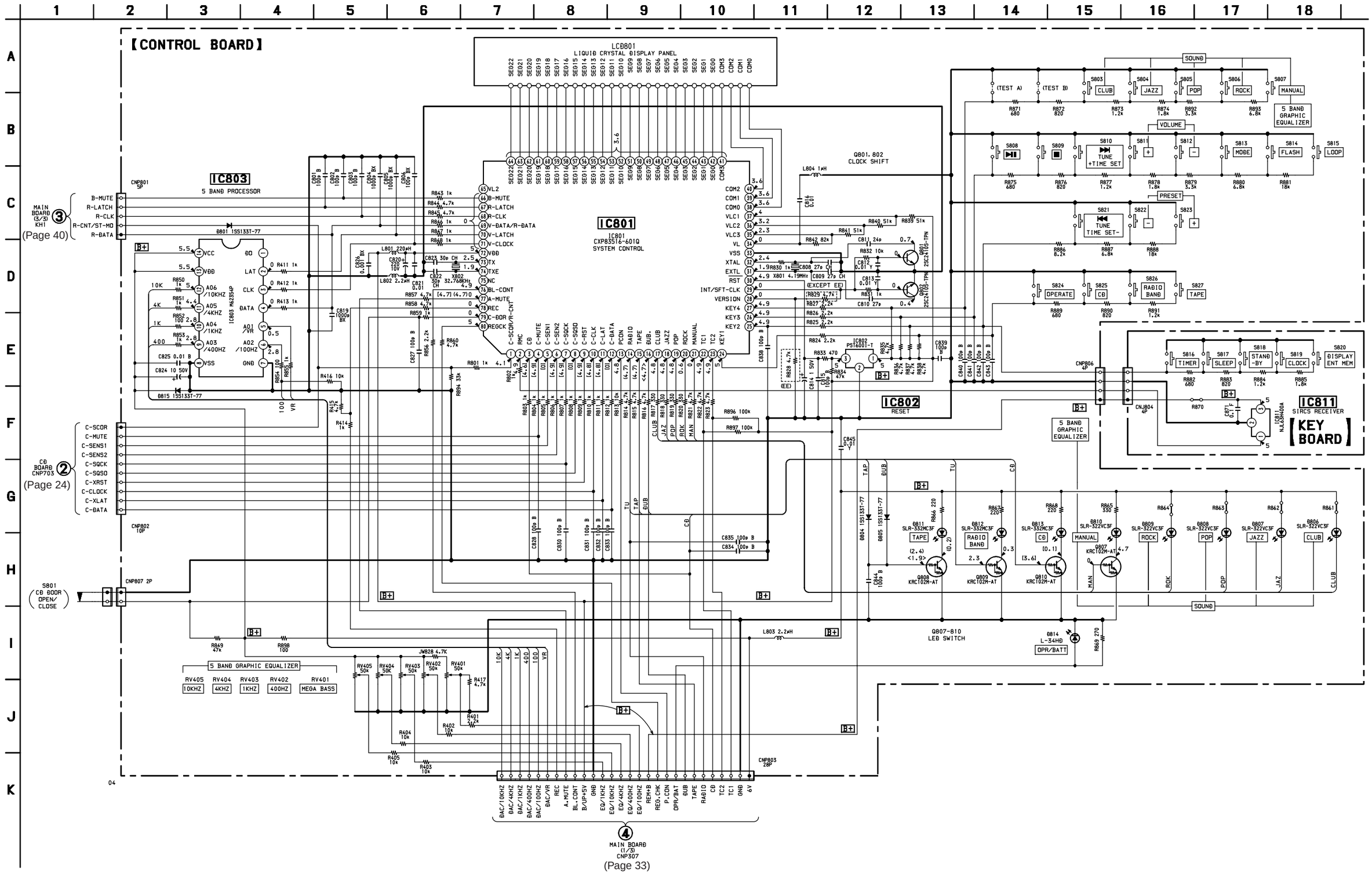
- ○——— : parts extracted from the component side.
- ▒▒▒ : Pattern from the side which enables seeing.
- Abbreviation
  EE : East European model

- **Semiconductor Location**

| Ref. No. | Location |
|---|---|
| D801 | G-9 |
| D804 | E-5 |
| D805 | E-5 |
| D806 | D-4 |
| D807 | E-4 |
| D808 | E-4 |
| D809 | F-4 |
| D810 | F-4 |
| D811 | H-4 |
| D812 | I-4 |
| D813 | I-4 |
| D814 | H-2 |
| D815 | D-10 |
| | |
| IC801 | G-6 |
| IC802 | H-2 |
| IC803 | E-9 |
| IC811 | B-9 |
| | |
| Q801 | I-5 |
| Q802 | H-4 |
| Q807 | F-5 |
| Q808 | G-3 |
| Q809 | I-4 |
| Q810 | I-5 |

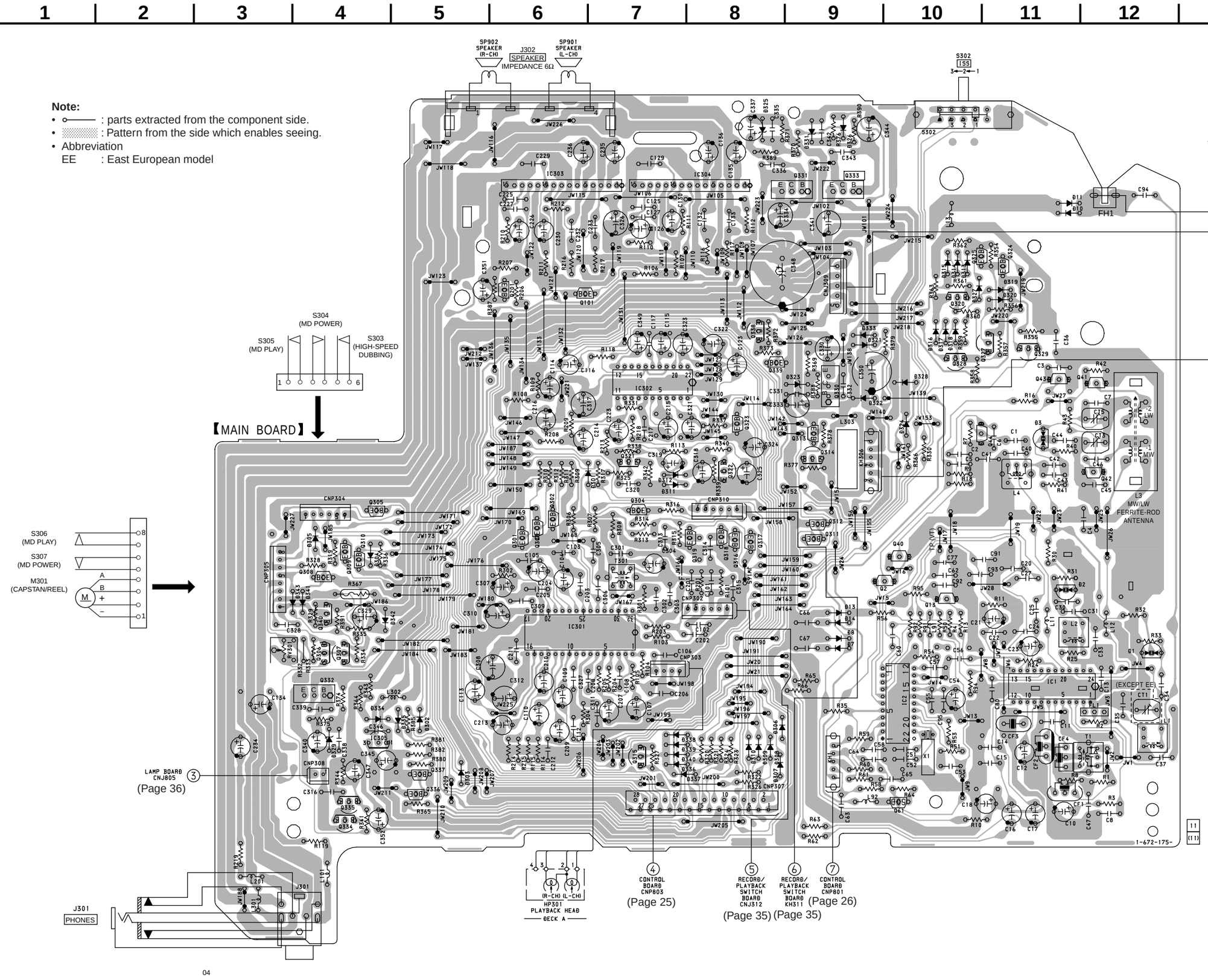
## 5-8. SCHEMATIC DIAGRAM — CONTROL SECTION —

• Refer to page 25 for Note on Schematic Diagram.
• Refer to page 43 for IC Block Diagrams.



## 5-9. PRINTED WIRING BOARD — MAIN SECTION — • Refer to page 16 for Circuit Boards Location.

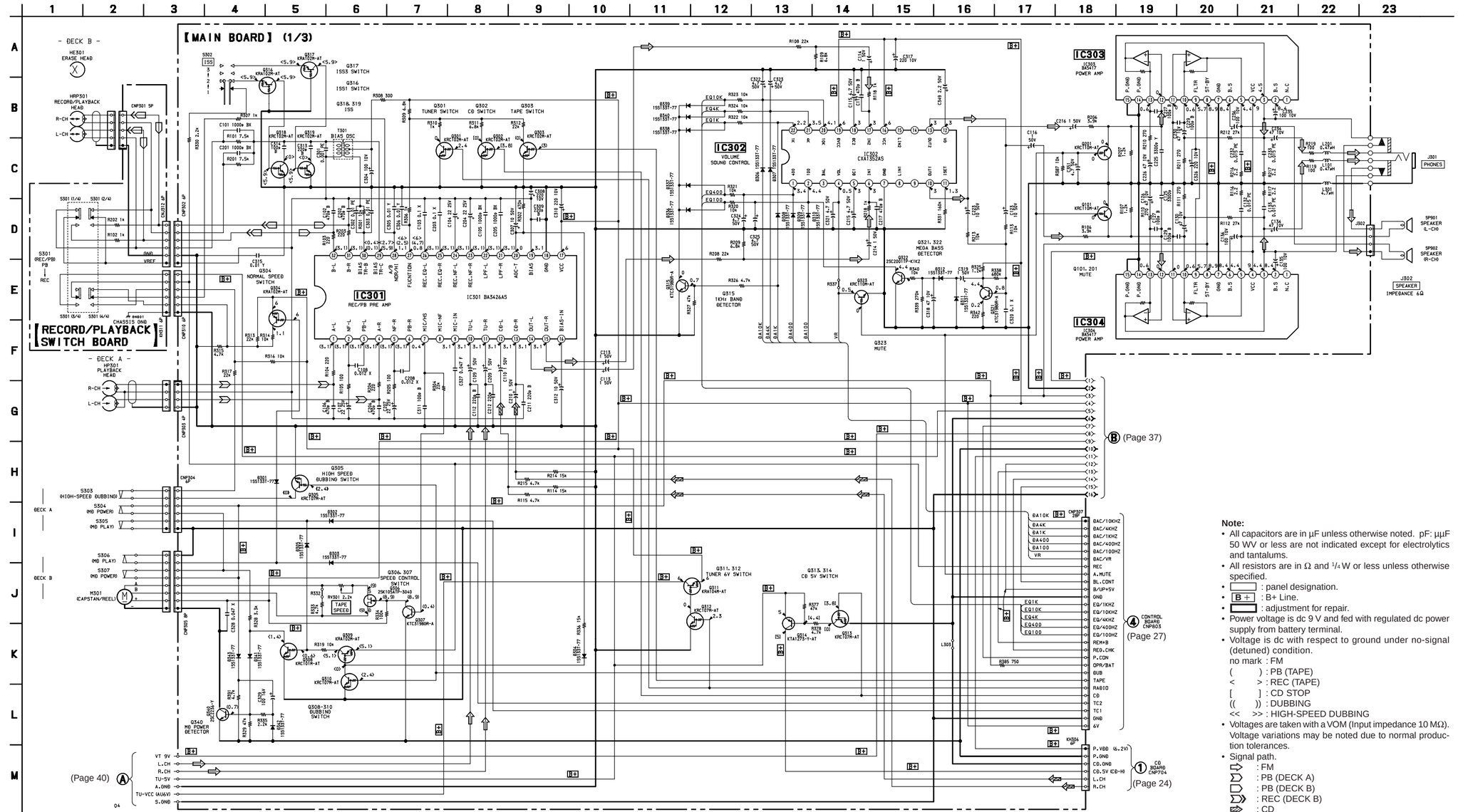
**Note:**
- ○——— : parts extracted from the component side.
- ▒▒▒▒ : Pattern from the side which enables seeing.
- Abbreviation
  EE : East European model



## 5-10. SCHEMATIC DIAGRAM — MAIN SECTION (1/2) — • Refer to page 43 for IC Block Diagrams.

• **Semiconductor Location**

| Ref. No. | Location | Ref. No. | Location |
|---|---|---|---|
| D1 | G-12 | IC302 | D-7 |
| D2 | F-12 | IC303 | B-6 |
| D3 | E-11 | IC304 | B-8 |
| D7 | G-9 | IC305 | H-4 |
| D8 | G-9 | | |
| D10 | B-11 | Q2 | F-10 |
| D11 | B-11 | Q13 | F-10 |
| D13 | G-9 | Q40 | F-10 |
| D14 | G-9 | Q41 | D-12 |
| D301 | E-7 | Q42 | E-12 |
| D302 | H-5 | Q43 | D-11 |
| D303 | H-5 | Q44 | E-11 |
| D304 | F-4 | Q61 | H-10 |
| D305 | F-4 | Q101 | C-7 |
| D306 | H-8 | Q201 | C-6 |
| D307 | H-8 | Q301 | F-6 |
| D308 | H-8 | Q302 | F-6 |
| D309 | H-8 | Q303 | F-6 |
| D310 | H-8 | Q304 | E-7 |
| D311 | E-7 | Q305 | E-4 |
| D312 | E-7 | Q306 | G-4 |
| D313 | C-10 | Q307 | G-4 |
| D314 | C-10 | Q308 | F-4 |
| D315 | C-10 | Q309 | F-4 |
| D316 | D-10 | Q310 | F-4 |
| D317 | D-10 | Q311 | F-9 |
| D318 | D-10 | Q312 | F-9 |
| D319 | C-11 | Q313 | E-9 |
| D320 | C-11 | Q314 | E-9 |
| D321 | D-9 | Q315 | H-7 |
| D322 | D-9 | Q316 | F-8 |
| D323 | D-9 | Q317 | F-8 |
| D324 | E-10 | Q318 | F-8 |
| D325 | B-8 | Q319 | F-8 |
| D326 | B-9 | Q320 | C-10 |
| D327 | C-10 | Q321 | E-7 |
| D328 | D-10 | Q322 | E-8 |
| D329 | H-4 | Q323 | E-8 |
| D331 | B-9 | Q324 | C-11 |
| D333 | D-9 | Q325 | C-11 |
| D334 | H-4 | Q327 | D-11 |
| D335 | H-5 | Q328 | D-10 |
| D336 | H-7 | Q329 | D-11 |
| D337 | H-7 | Q330 | D-9 |
| D338 | H-7 | Q331 | B-9 |
| D339 | H-7 | Q332 | G-4 |
| D340 | H-7 | Q333 | B-9 |
| D341 | F-4 | Q334 | I-4 |
| D342 | G-4 | Q335 | H-4 |
| D343 | F-4 | Q336 | H-5 |
| | | Q337 | H-5 |
| IC1 | G-11 | Q338 | D-8 |
| IC2 | G-10 | Q339 | D-8 |
| IC301 | G-6 | Q340 | G-4 |




**Note:**

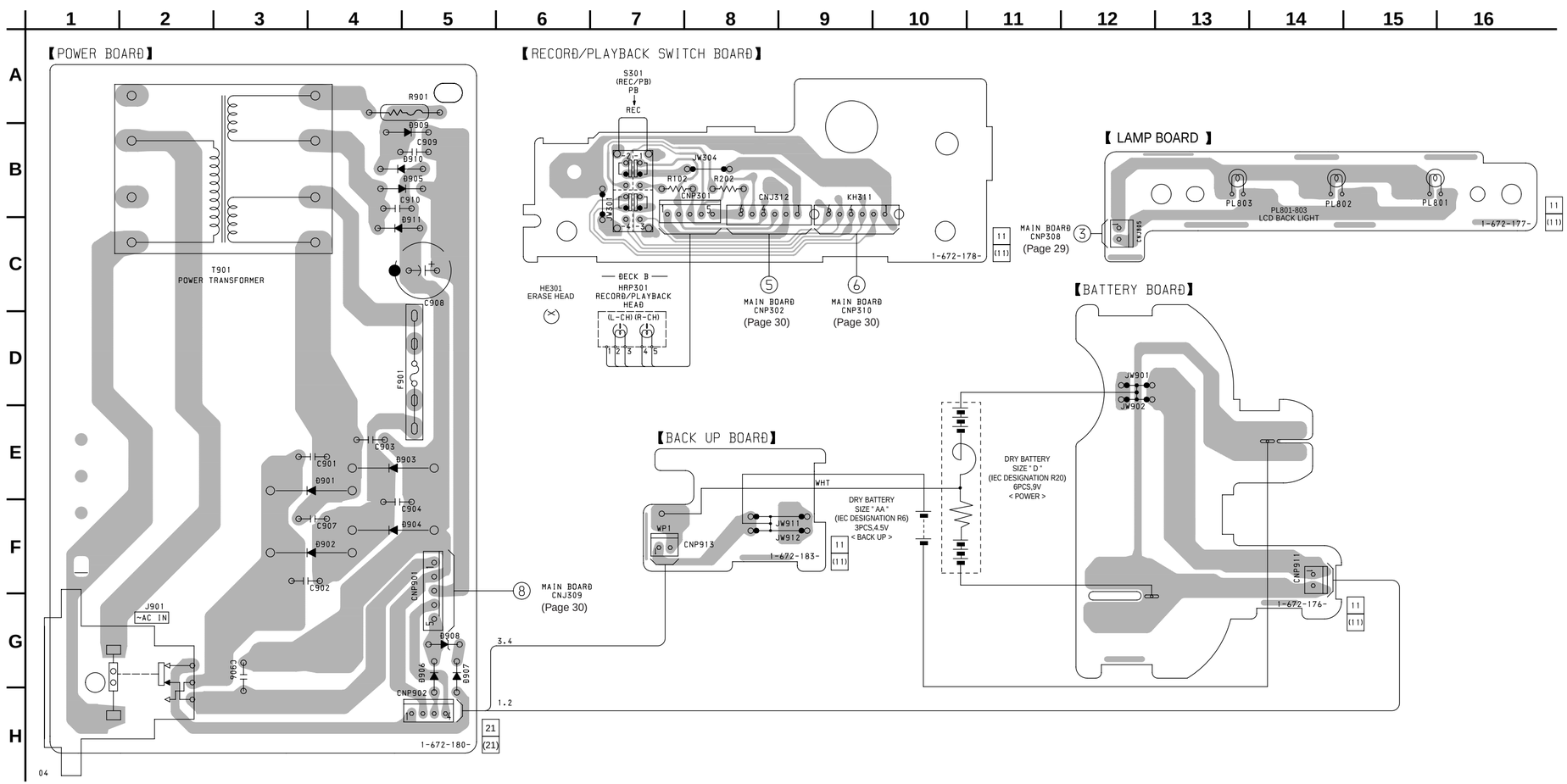
- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- : panel designation.
- B+ : B+ Line.
- : adjustment for repair.
- Power voltage is dc 9 V and fed with regulated dc power supply from battery terminal.
- Voltage is dc with respect to ground under no-signal (detuned) condition.
  no mark : FM
  ( ) : PB (TAPE)
  < > : REC (TAPE)
  [ ] : CD STOP
  (( )) : DUBBING
  << >> : HIGH-SPEED DUBBING
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  : FM
  : PB (DECK A)
  : PB (DECK B)
  : REC (DECK B)
  : CD

## 5-11. PRINTED WIRING BOARDS — POWER SUPPLY SECTION — • Refer to page 16 for Circuit Boards Location.

• **Semiconductor Location**

| Ref. No. | Location |
|---|---|
| D901 | E-4 |
| D902 | F-4 |
| D903 | E-4 |
| D904 | F-4 |
| D905 | B-5 |
| D906 | G-5 |
| D907 | G-5 |
| D908 | G-5 |
| D909 | B-5 |
| D910 | B-5 |
| D911 | B-4 |

**Note:**
- ⟜——: parts extracted from the component side.
- ▒▒▒: Pattern from the side which enables seeing.



## 5-12. SCHEMATIC DIAGRAM — POWER SUPPLY SECTION —




**Note:**

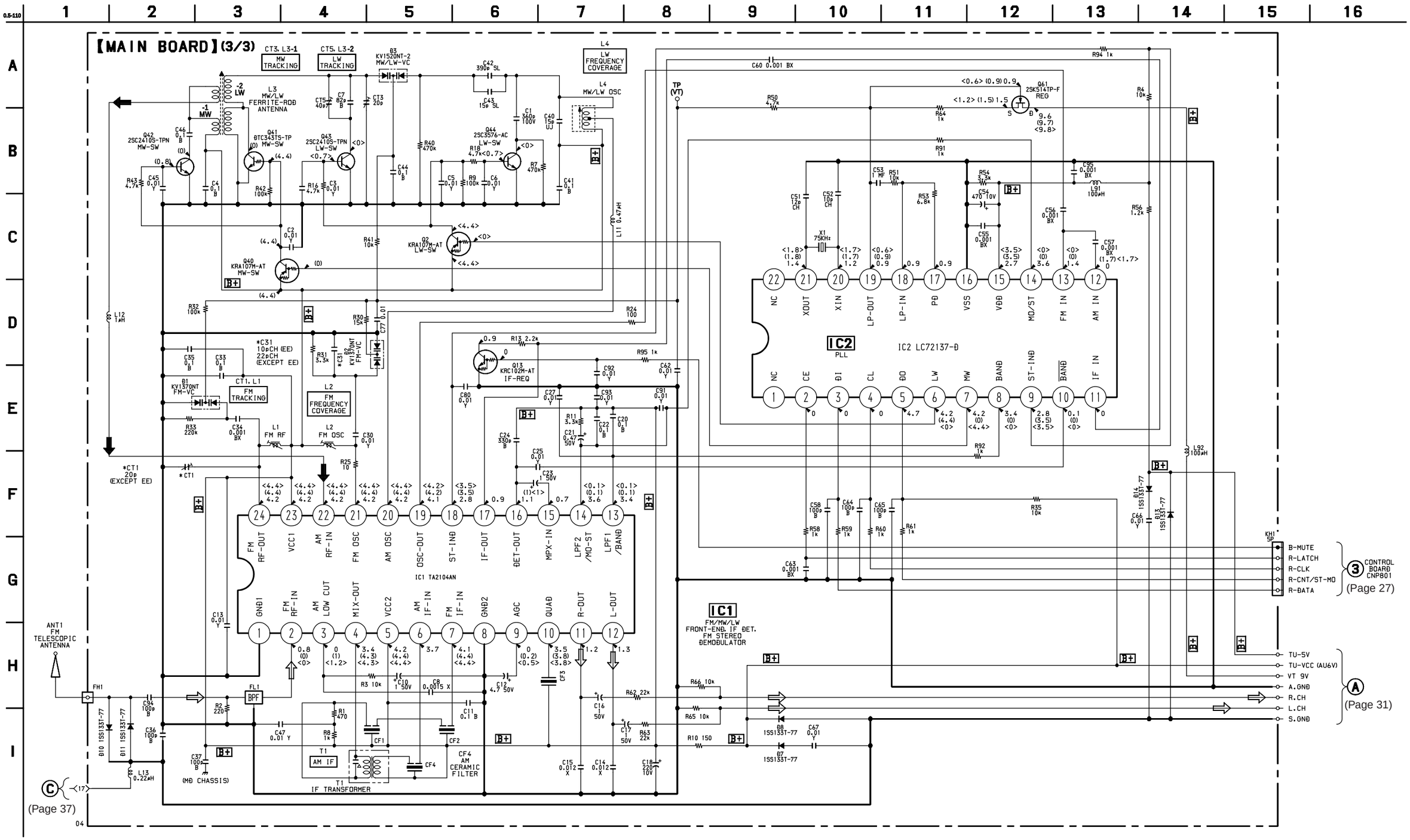
- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- ⏦ : fusible resistor.
- ▭ : panel designation.

**Note:** The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

- B+ : B+ Line.

- Power voltage is dc 9 V and fed with regulated dc power supply from battery terminal.
- Voltage is dc with respect to ground under no-signal (detuned) condition.
  no mark : FM
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Abbreviation
  SP : Singapore model

## 5-13. SCHEMATIC DIAGRAM — MAIN SECTION (2/2) — • Refer to page 44 for IC Block Diagrams.




**Note:**

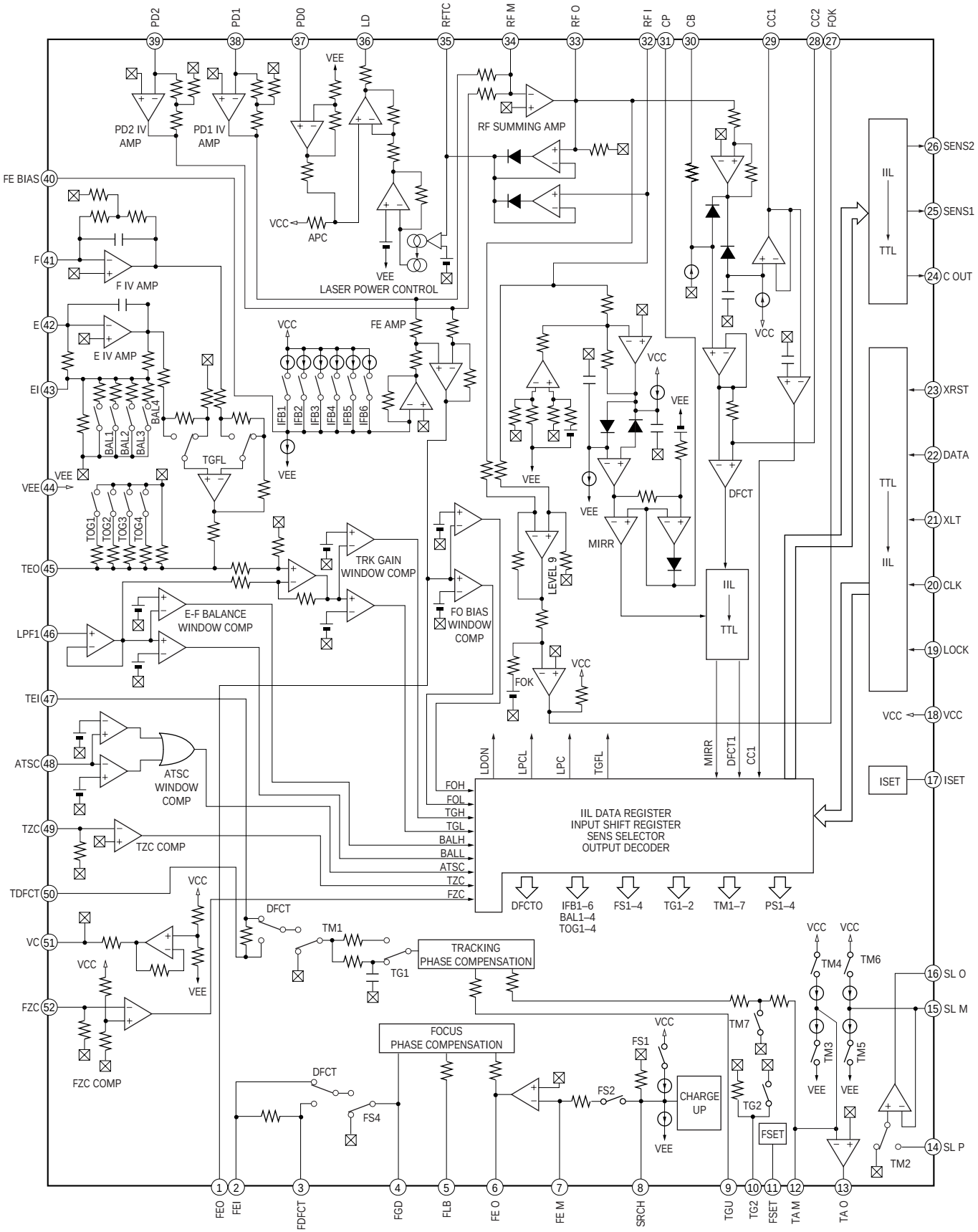
- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- B+ : B+ Line.
- Power voltage is dc 9 V and fed with regulated dc power supply from battery terminal.
- Voltage is dc with respect to ground under no-signal (detuned) condition.

no mark : FM
( ) : MW
< > : LW

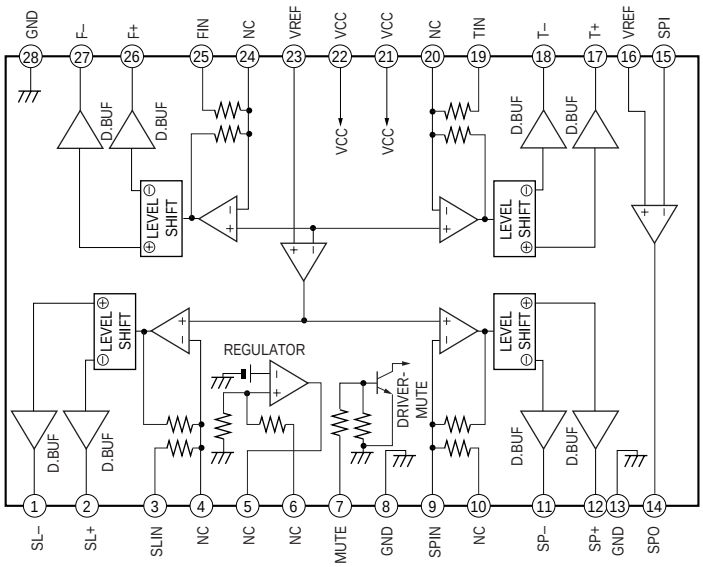
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : FM
  ➡ : MW
- Abbreviation
  EE : East European model

• **IC Block Diagrams**

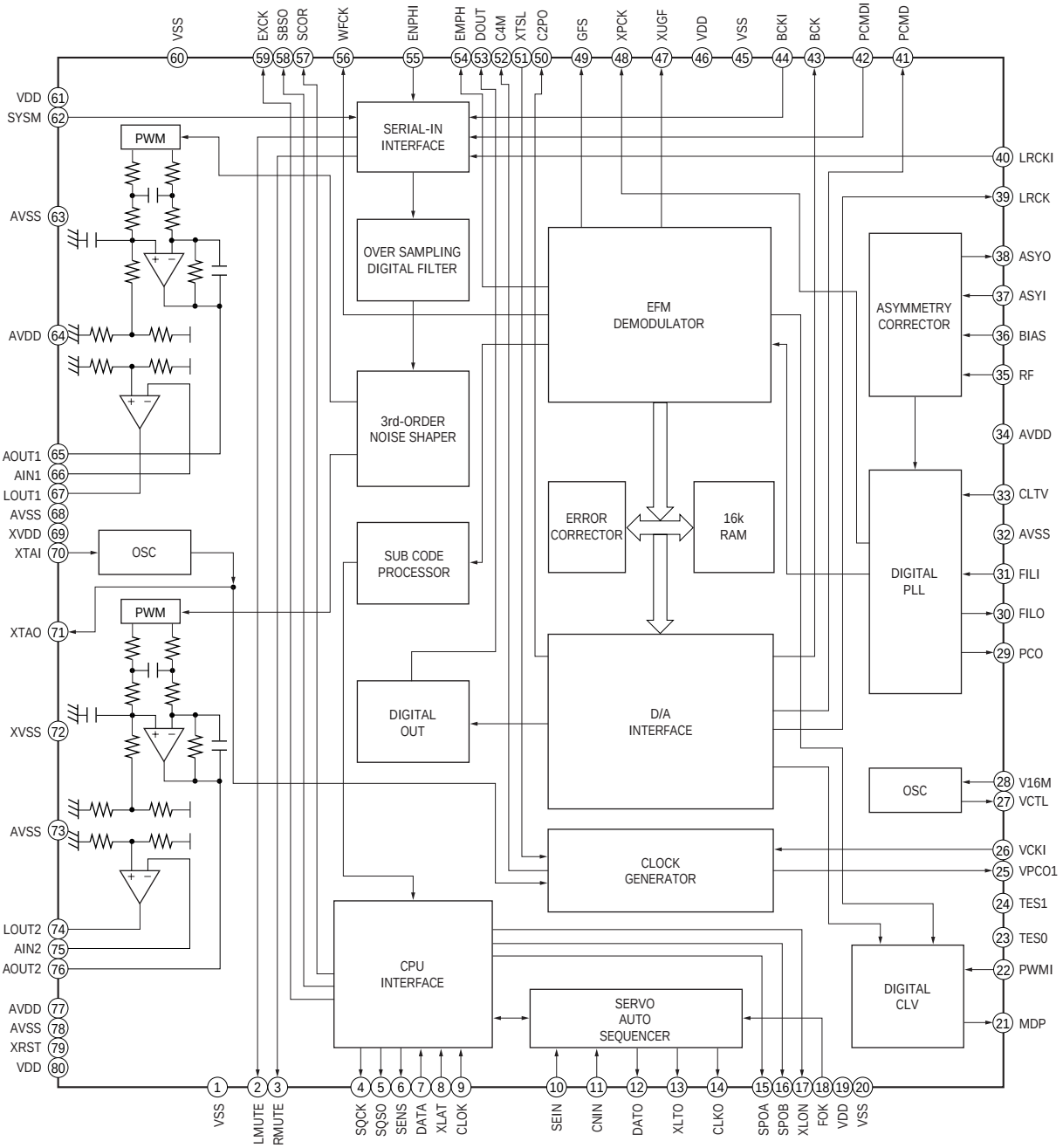
**IC701 CXA1992BR**



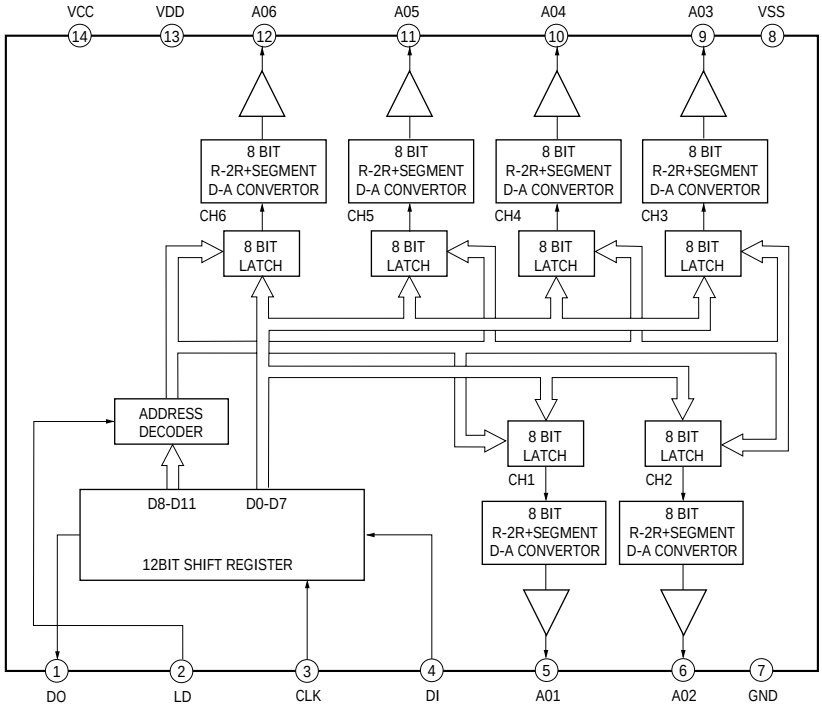
**IC702 BA6898FP**



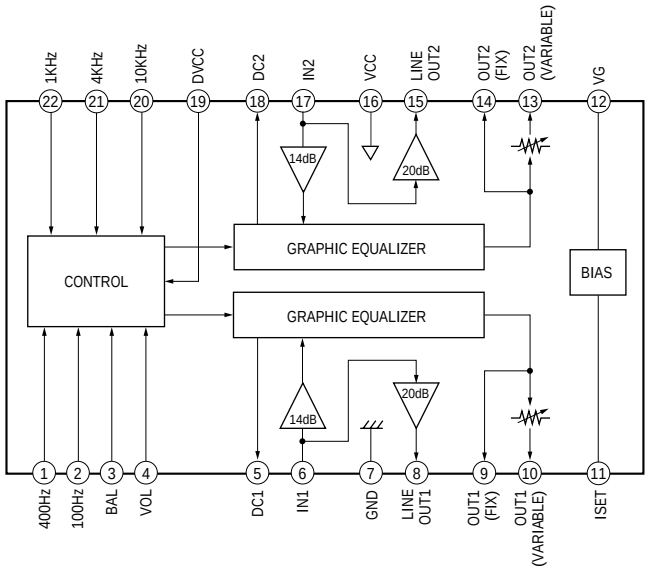

**IC703 CXD2589Q**



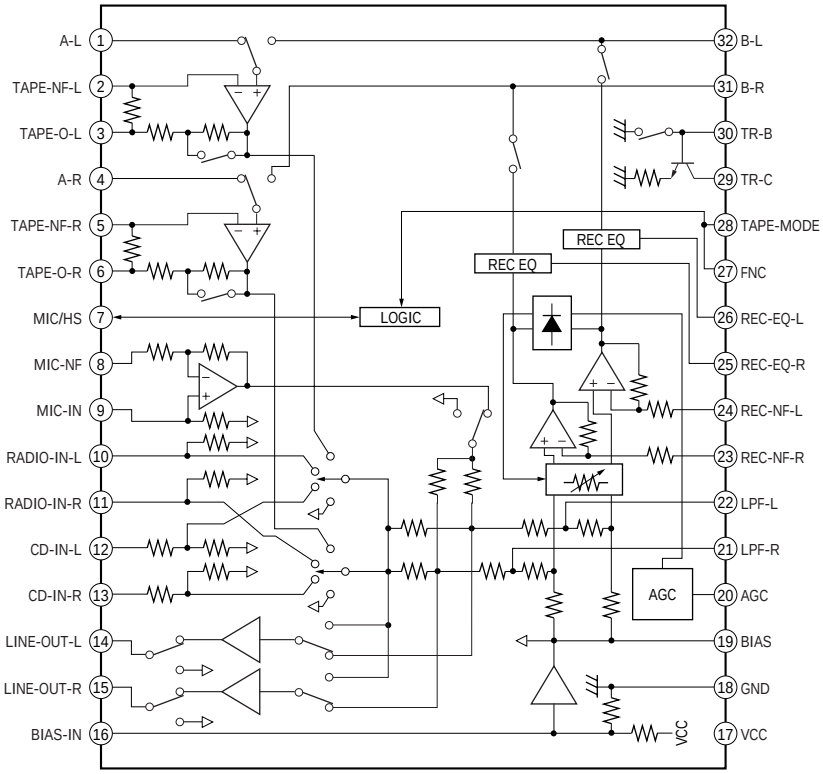
**IC803 M62354P**



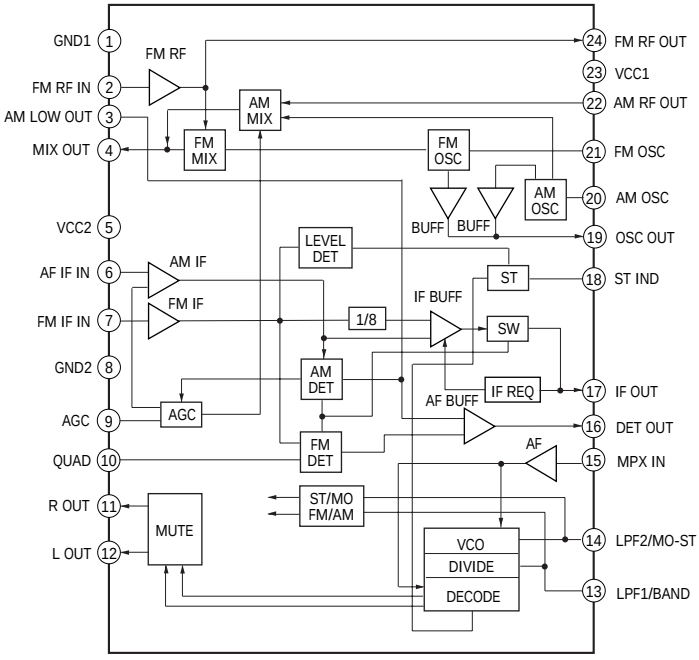

**IC302 CXA1352AS**



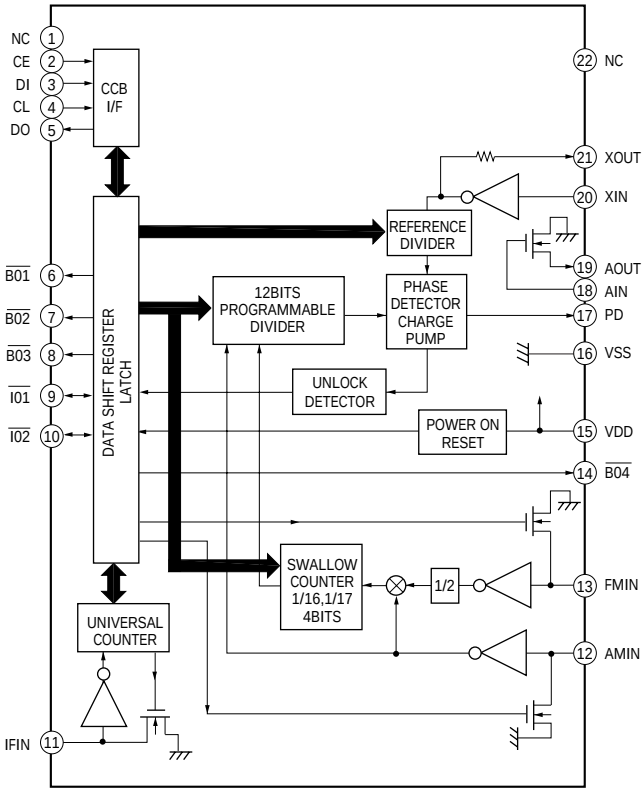
### IC301 BA3426AS




### IC1 TA2104AN




### IC2 LC72137-D



# SECTION 6
# EXPLODED VIEWS

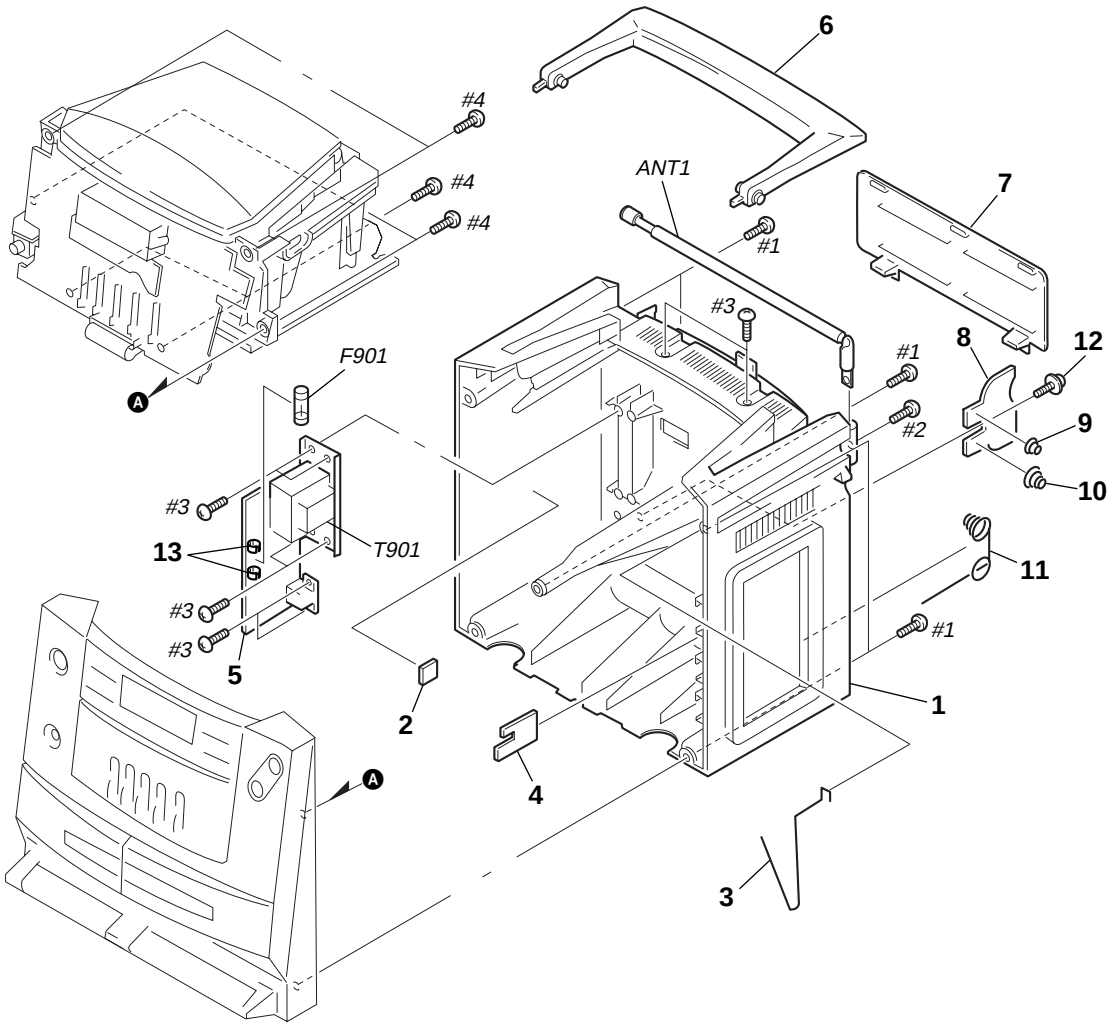
NOTE:
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- -XX and -X mean standardized parts, so they may have some difference from the original one.

- Color Indication of Appearance Parts
  Example :
  KNOB, BALANCE (WHITE) ... (RED)
  ↑ Parts Color ↑ Cabinet's Color
- Accessories and packing materials and hardware (# mark) list are given in the last of this parts list.

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.

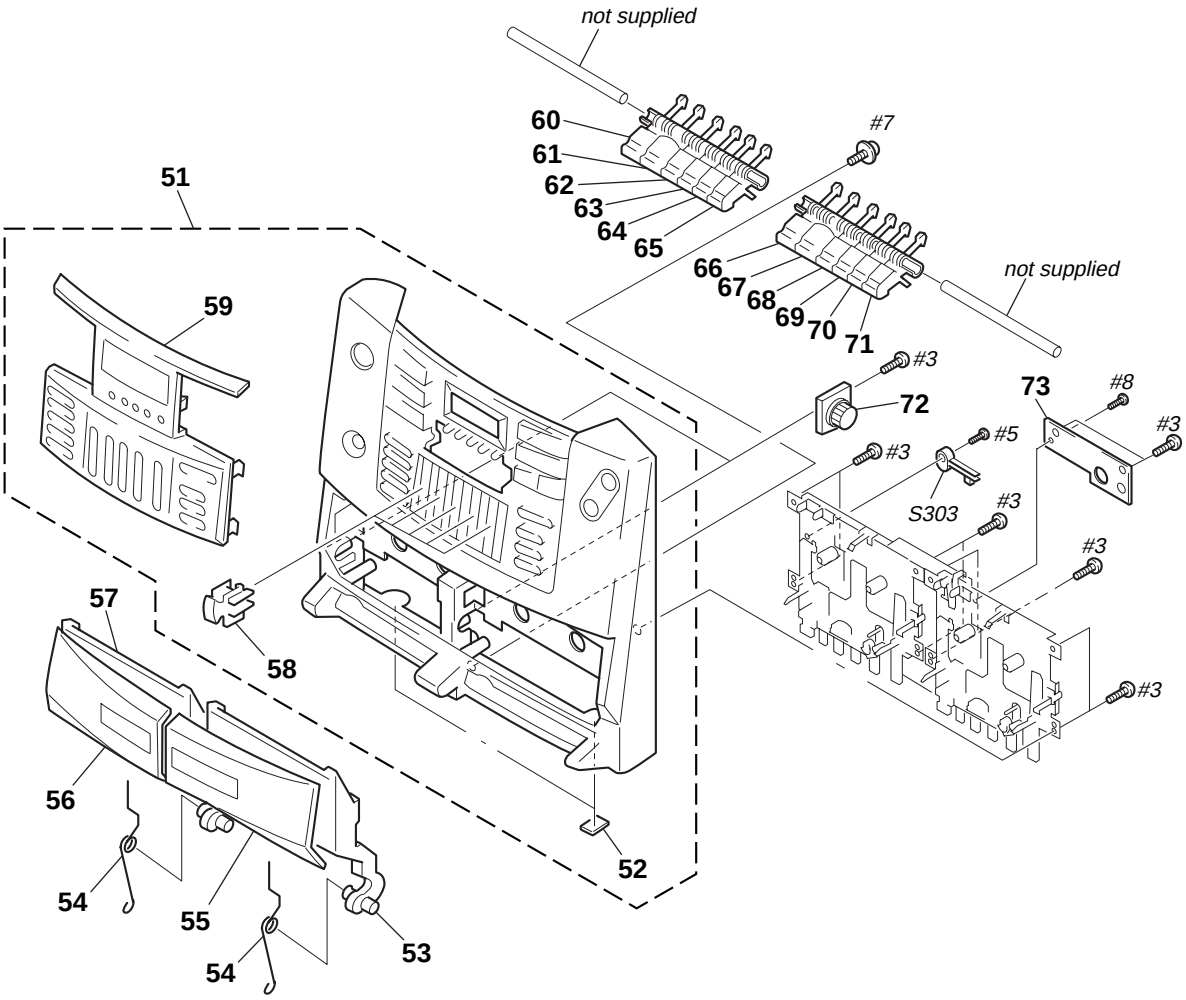
- Abbreviation
  SP : Singapore model
  EE : East European model

## 6-1. CABINET (REAR) SECTION



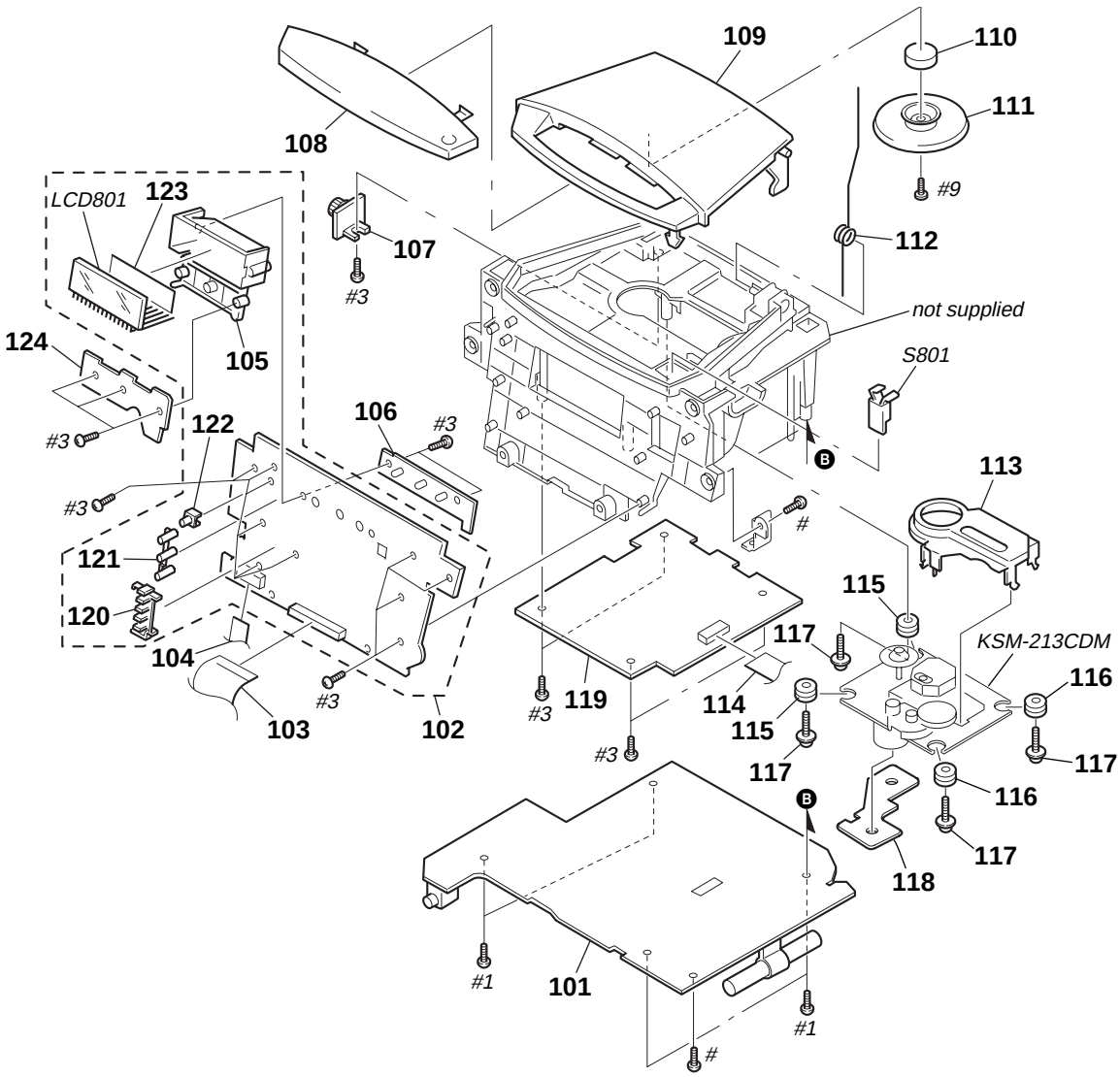

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 1 | 3-031-134-11 | CABINET (REAR) | |
| 2 | 3-031-182-01 | RUBBER (10.2X10.2X3t) | |
| 3 | 3-031-183-01 | TERMINAL, ANTENNA | |
| * 4 | 1-672-183-11 | BACK UP BOARD | |
| * 5 | 1-672-180-11 | POWER BOARD | |
| 6 | 3-031-138-01 | HANDLE | |
| 7 | 3-918-472-11 | LID, BATTERY CASE | |
| * 8 | 1-672-176-11 | BATTERY BOARD | |
| 9 | 3-031-172-01 | SPRING, BACK UP | |
| 10 | 3-031-171-01 | SPRING (–), BATTERY | |
| 11 | 3-032-886-01 | SPRING, BATTERY TERMINAL COIL | |
| 12 | 4-981-789-11 | BRACKET (2), YOKE | |
| 13 | 1-533-233-31 | HOLDER, FUSE | |
| ANT1 | 1-501-383-21 | ANTENNA, TELESCOPIC | |
| ⚠F901 | 1-532-465-31 | FUSE (3.15A/250V) (EXCEPT SP) | |
| ⚠F901 | 1-576-109-11 | FUSE (5A/125V) (SP) | |
| ⚠T901 | 1-433-829-11 | TRANSFORMER, POWER | |

## 6-2. CABINET (FRONT) SECTION




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 51 | X-3377-225-1 | CABINET (FRONT) SUB ASSY | |
| 52 | 3-031-182-01 | RUBBER (10.2X10.2X3t) | |
| 53 | 3-033-111-01 | HOLDER (B), CASSETTE | |
| 54 | 3-031-168-01 | SPRING, CASSETTE | |
| 55 | A-3328-284-A | LID (B) SUB ASSY, CASSETTE | |
| 56 | A-3328-282-A | LID (A) SUB ASSY, CASSETTE | |
| 57 | 3-033-110-01 | HOLDER (A), CASSETTE | |
| 58 | 3-031-156-01 | KNOB (EQ) | |
| 59 | X-3376-854-1 | PLATE ASSY, ORNAMENTAL | |
| 60 | 3-031-145-11 | KNOB (HI-SPEED) | |
| 61 | 3-031-144-11 | KNOB (PLAY) (1) | |
| 62 | 3-031-147-11 | KNOB (REW) (1) | |
| 63 | 3-031-146-11 | KNOB (FF) (1) | |
| 64 | 3-031-148-11 | KNOB (ST/EJ) (1) | |
| 65 | 3-031-149-11 | KNOB (PAUSE) (1) | |
| 66 | 3-031-151-11 | KNOB (REC) | |
| 67 | 3-031-150-11 | KNOB (PLAY) (2) | |
| 68 | 3-031-153-11 | KNOB (REW) (2) | |
| 69 | 3-031-152-11 | KNOB (FF) (2) | |
| 70 | 3-031-154-11 | KNOB (ST/EJ) (2) | |
| 71 | 3-031-155-11 | KNOB (PAUSE) (2) | |
| 72 | 3-922-112-21 | DAMPER | |
| * 73 | 1-672-178-11 | RECORD/PLAYBACK SWITCH BOARD | |
| S303 | 1-771-646-11 | SWITCH, LEAF (HIGH-SPEED DUBBING) | |

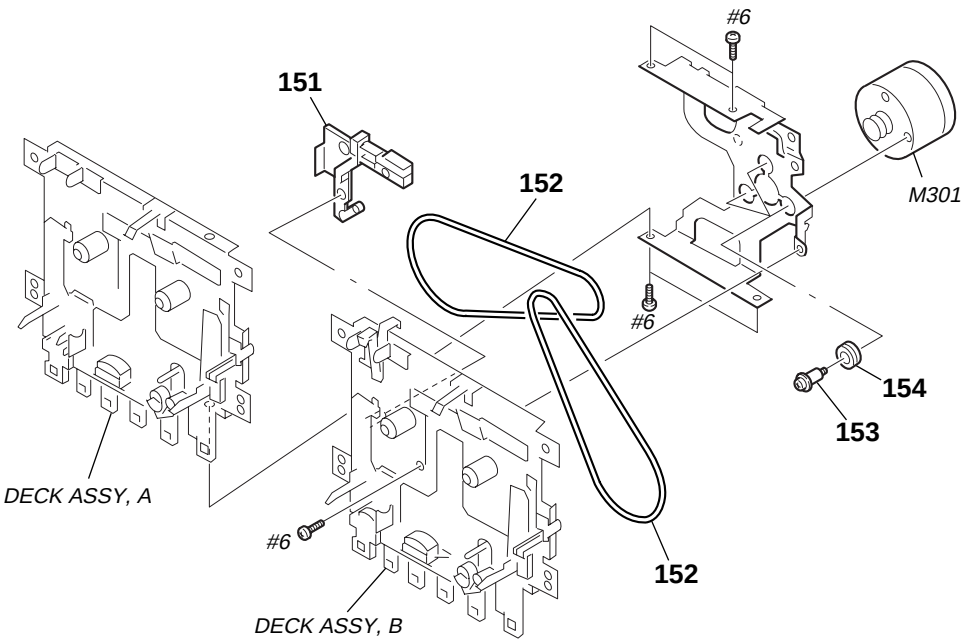
## 6-3. CD SECTION




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| * 101 | A-3321-910-A | MAIN BOARD, COMPLETE (EXCEPT EE) | |
| * 101 | A-3321-977-A | MAIN BOARD, COMPLETE (EE) | |
| * 102 | A-3321-911-A | CONTROL BOARD, COMPLETE (EXCEPT EE) | |
| * 102 | A-3321-978-A | CONTROL BOARD, COMPLETE (EE) | |
| 103 | 1-790-240-11 | WIRE, PARALLEL (FFC) (28 CORE) | |
| 104 | 1-790-241-11 | WIRE, PARALLEL (FFC) (10 CORE) | |
| 105 | 3-031-157-01 | HOLDER (LCD) | |
| * 106 | 1-672-177-11 | LAMP BOARD | |
| 107 | 3-922-112-31 | DAMPER | |
| 108 | 3-031-137-01 | WINDOW, CD | |
| 109 | 3-031-136-01 | LID, CD | |
| 110 | 1-452-899-11 | MAGNET | |
| 111 | 3-021-020-01 | PLATE, CHUCKING | |
| 112 | 3-031-173-01 | SPRING, CD | |
| 113 | 3-923-736-01 | COVER, CD | |
| * 114 | 1-790-242-11 | WIRE, PARALLEL (FFC) (16 CORE) | |

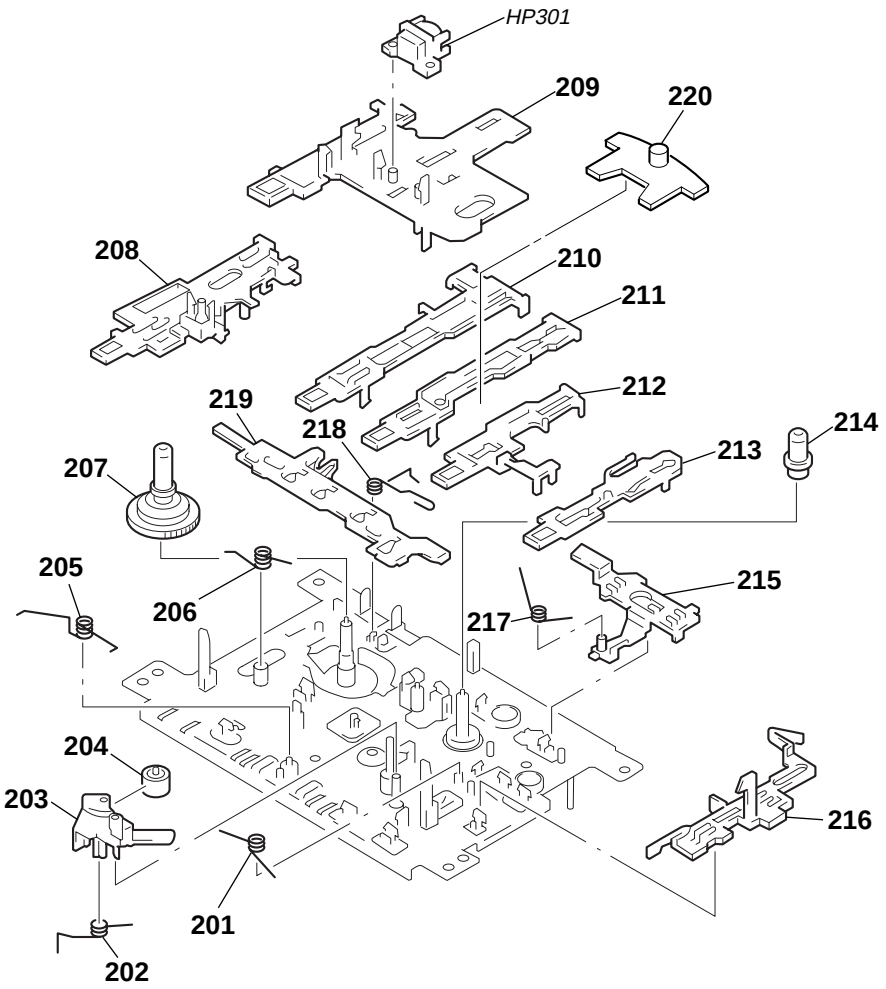
| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 115 | 3-931-379-31 | RUBBER, VIBRATION PROOF | |
| 116 | 3-931-379-21 | RUBBER, VIBRATION PROOF | |
| 117 | 3-911-135-01 | SCREW (2.6X10), (+PWH) TAPPING | |
| 118 | 1-658-023-31 | CD MOTOR BOARD | |
| * 119 | A-3321-771-A | CD BOARD, COMPLETE | |
| 120 | 3-032-951-01 | HOLDER (LED A) | |
| 121 | 3-032-952-01 | HOLDER (LED B) | |
| 122 | 3-032-953-01 | HOLDER (LED C) | |
| * 123 | 3-033-101-01 | ILLUMINATOR | |
| * 124 | 1-672-182-11 | KEY BOARD | |
| * 125 | 3-031-181-01 | HEAT SINK | |
| 126 | 3-370-910-31 | WASHER | |
| LCD801 | 1-803-375-11 | DISPLAY PANEL, LIQUID CRYSTAL | |
| S801 | 1-692-960-11 | SWITCH, PUSH (1 KEY) (CD DOOR OPEN/CLOSE) | |

## 6-4. TAPE MECHANISM SECTION-1
## (MF-ZW750-117)



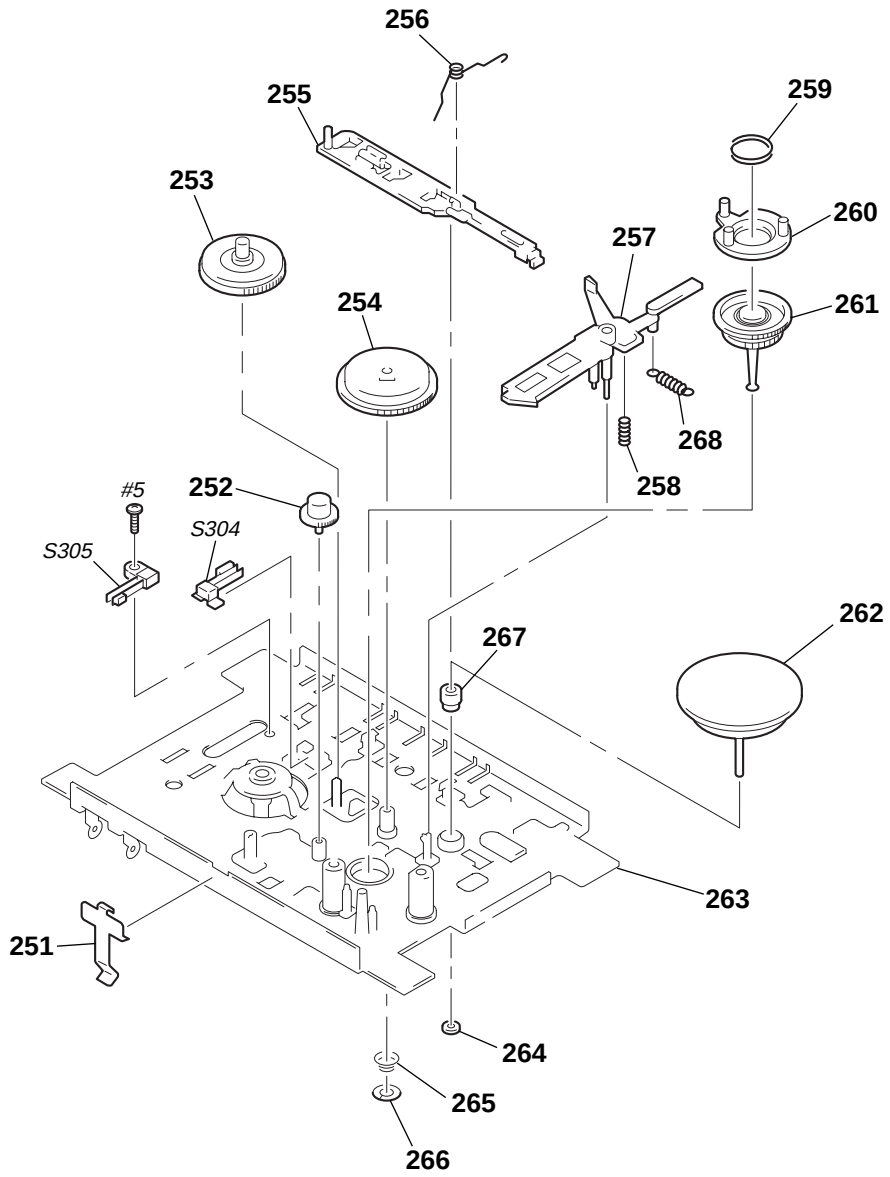

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 151 | 3-025-846-01 | LEVER (REC) | |
| 152 | 3-016-031-11 | BELT | |
| 153 | 3-570-027-00 | SCREW, MOTOR | |
| 154 | 3-014-797-01 | CUSHION, MOTOR | |
| M301 | A-3311-837-A | MOTOR ASSY (W) (CAPSTAN/REEL) | |

## 6-5. TAPE MECHANISM SECTION-2 (DECK A) (MF-ZW750-117)




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 201 | 3-933-010-01 | SPRING (S/P), TORSION | |
| 202 | 3-933-025-01 | SPRING (P), TORSION | |
| 203 | 3-933-026-01 | LEVER (P) | |
| 204 | 3-933-024-01 | ROLLER, PINCH | |
| 205 | 3-933-019-01 | SPRING (F/R), TORSION | |
| 206 | 3-933-028-01 | SPRING (FWD), TORSION | |
| 207 | 3-933-016-01 | GEAR (S REEL) | |
| 208 | 3-008-590-01 | SLIDER (REC) | |
| 209 | 3-008-592-01 | BASE (H), HEAD | |
| * 210 | 3-008-588-01 | SLIDER (REW) | |
| * 211 | 3-008-589-13 | SLIDER (FF) | |
| * 212 | 3-008-587-01 | SLIDER (STOP) | |
| * 213 | 3-008-591-01 | SLIDER (PAUSE) | |
| 214 | 3-933-004-01 | CLAW, REEL | |
| * 215 | 3-933-021-01 | SLIDER (FRP) | |
| * 216 | 3-933-006-01 | SLIDER (EJECT) | |
| 217 | 3-934-833-01 | SPRING (FRP) | |
| 218 | 3-022-794-02 | SPRING (BT) | |
| 219 | 3-933-007-01 | PLATE, LOCK | |
| 220 | 3-012-114-01 | LEVER (FR) | |
| HP301 | 1-500-454-11 | HEAD, MAGNETIC (PLAYBACK) | |

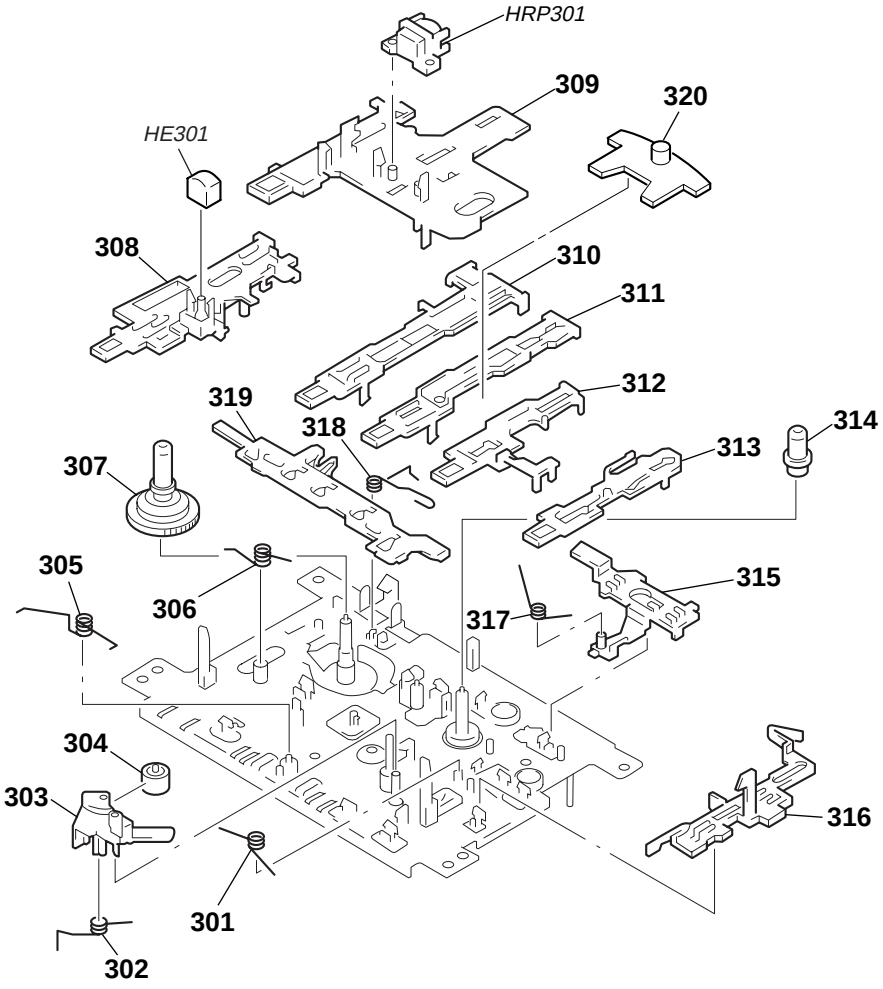
## 6-6. TAPE MECHANISM SECTION-3 (DECK A) (MF-ZW750-117)




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 251 | 3-933-182-01 | SPRING, CASSETTE | |
| 252 | 3-932-995-01 | GEAR (MID) | |
| 253 | X-3371-667-1 | CLUTCH ASSY | |
| 254 | 3-932-997-01 | GEAR (CAM) | |
| * 255 | 3-932-999-11 | SLIDER (SW) | |
| 256 | 3-932-998-01 | SPRING (GROUND), TORSION | |
| 257 | 3-009-648-01 | LEVER (S.OFF) | |
| 258 | 3-939-383-02 | SPRING, COMPRESSION | |
| 259 | 3-009-650-02 | SPRING (K), COMPRESSION | |
| 260 | 3-936-438-01 | LEVER (K) | |

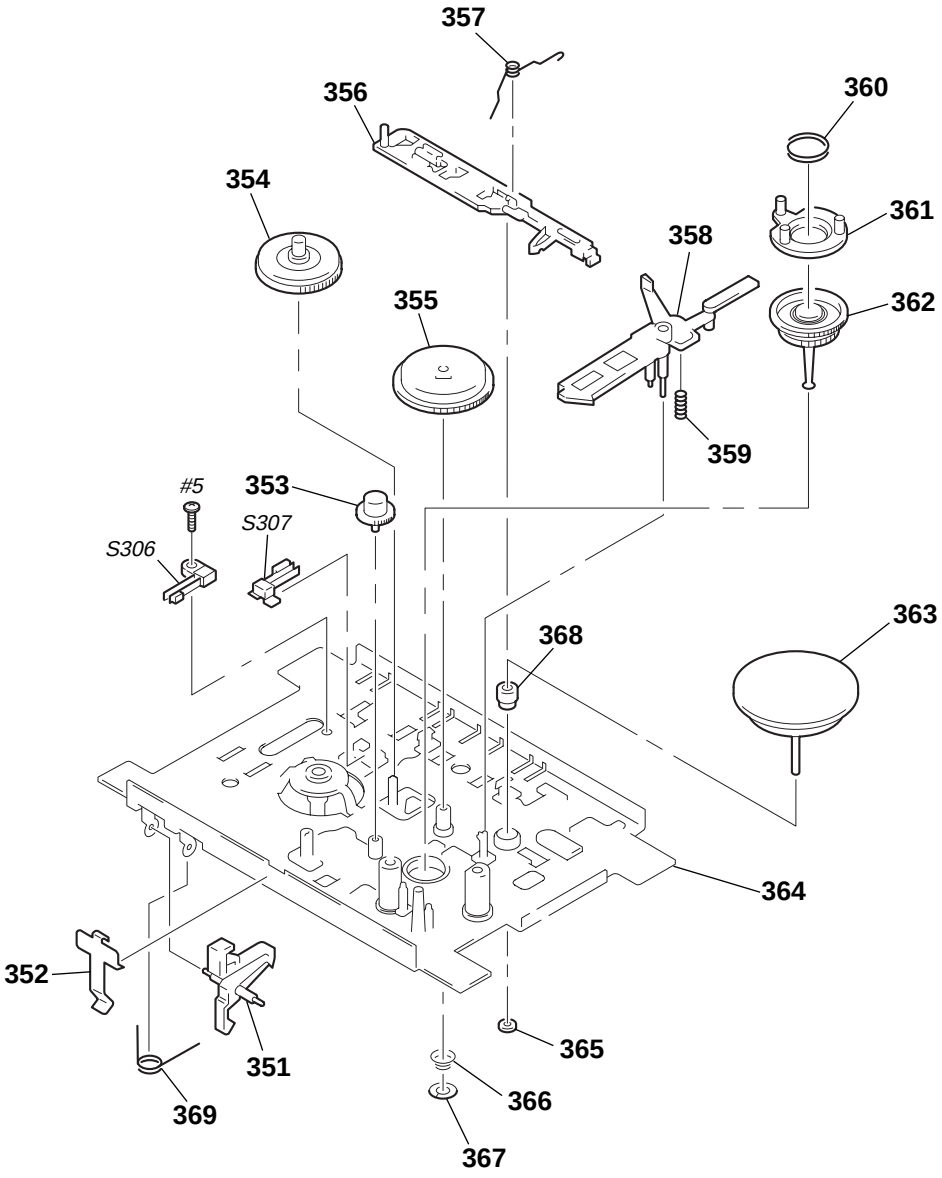
| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 261 | X-3373-572-1 | REEL ASSY (N), T | |
| 262 | X-3374-077-1 | FLYWHEEL ASSY (W) | |
| 263 | 3-932-993-01 | CHASSIS, OUTSERT | |
| 264 | 3-343-358-01 | RING, RETAINING | |
| 265 | 3-933-005-01 | SPRING (CAM), COMPRESSION | |
| 266 | 3-016-349-01 | WASHER | |
| 267 | 3-934-336-01 | BEARING | |
| 268 | 3-020-108-01 | SPRING, TENSION | |
| S304 | 1-771-686-11 | SWITCH, LEAF (MD POWER) | |
| S305 | 1-762-679-11 | SWITCH, LEAF (MD PLAY) | |

## 6-7. TAPE MECHANISM SECTION-4 (DECK B) (MF-ZW750-117)




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 301 | 3-933-010-01 | SPRING (S/P), TORSION | |
| 302 | 3-933-025-01 | SPRING (P), TORSION | |
| 303 | 3-933-026-01 | LEVER (P) | |
| 304 | 3-933-024-01 | ROLLER, PINCH | |
| 305 | 3-933-019-01 | SPRING (F/R), TORSION | |
| 306 | 3-933-028-01 | SPRING (FWD), TORSION | |
| 307 | 3-933-016-01 | GEAR (S REEL) | |
| 308 | 3-008-590-01 | SLIDER (REC) | |
| 309 | 3-008-592-01 | BASE (H), HEAD | |
| * 310 | 3-008-588-01 | SLIDER (REW) | |
| * 311 | 3-008-589-13 | SLIDER (FF) | |
| * 312 | 3-008-587-01 | SLIDER (STOP) | |
| * 313 | 3-008-591-01 | SLIDER (PAUSE) | |
| 314 | 3-933-004-01 | CLAW, REEL | |
| * 315 | 3-933-021-01 | SLIDER (FRP) | |
| * 316 | 3-933-006-01 | SLIDER (EJECT) | |
| 317 | 3-934-833-01 | SPRING (FRP) | |
| 318 | 3-022-794-02 | SPRING (BT) | |
| 319 | 3-933-007-01 | PLATE, LOCK | |
| 320 | 3-012-114-01 | LEVER (FR) | |
| HE301 | 1-543-876-11 | HEAD (ERASE) | |
| HRP301 | 1-500-454-11 | HEAD, MAGNETIC (RECORD/PLAYBACK) | |

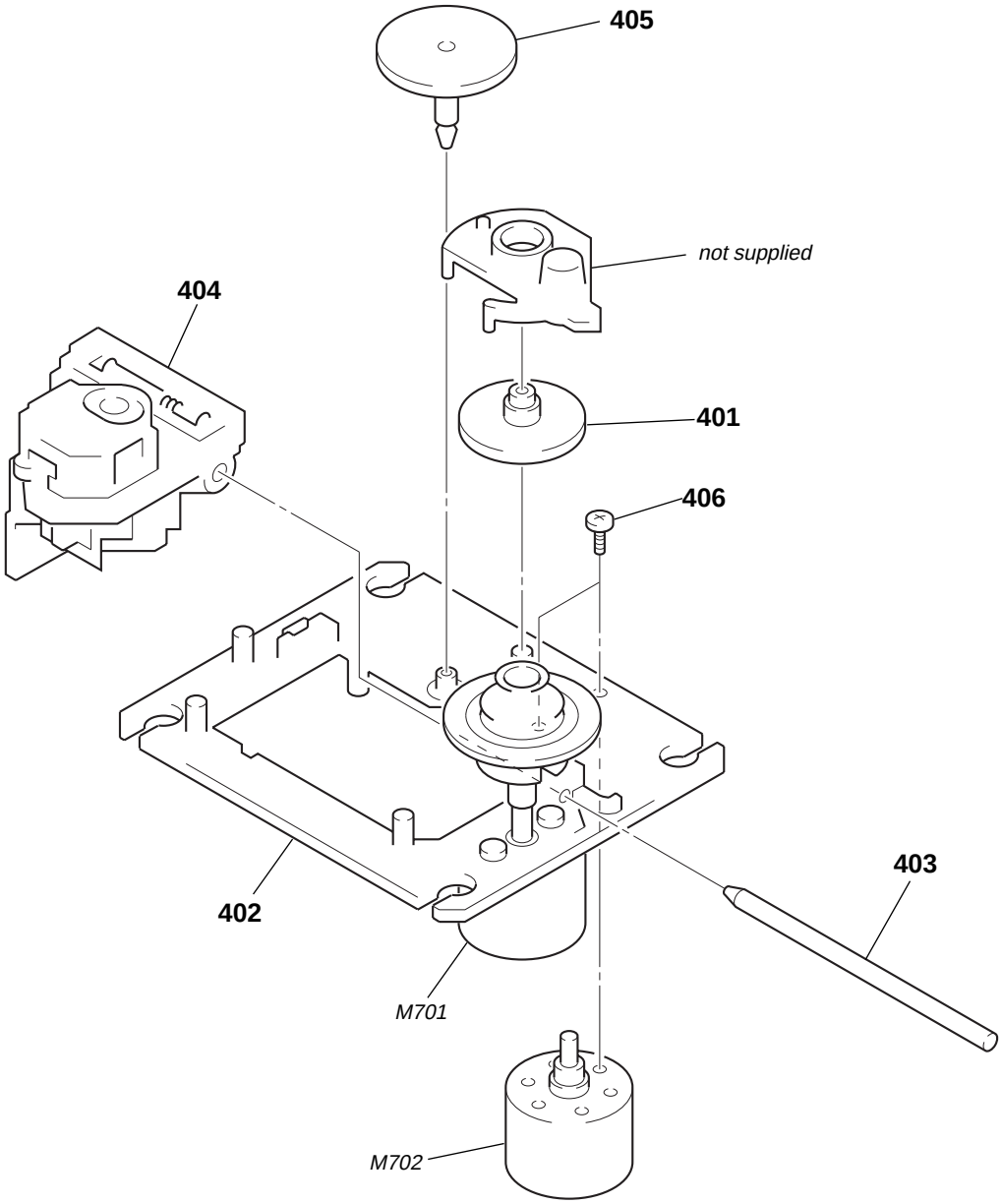
## 6-8. TAPE MECHANISM SECTION-5 (DECK B)
## (MF-ZW750-117)




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 351 | 3-933-029-01 | LEVER, ERASING PREVENTION | |
| 352 | 3-933-182-01 | SPRING, CASSETTE | |
| 353 | 3-932-995-01 | GEAR (MID) | |
| 354 | X-3371-667-1 | CLUTCH ASSY | |
| 355 | 3-932-997-01 | GEAR (CAM) | |
| * 356 | 3-932-999-11 | SLIDER (SW) | |
| 357 | 3-932-998-01 | SPRING (GROUND), TORSION | |
| 358 | 3-009-648-01 | LEVER (S.OFF) | |
| 359 | 3-939-383-02 | SPRING, COMPRESSION | |
| 360 | 3-009-650-02 | SPRING (K), COMPRESSION | |
| 361 | 3-936-438-01 | LEVER (K) | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 362 | X-3373-572-1 | REEL ASSY (N), T | |
| 363 | X-3374-077-1 | FLYWHEEL ASSY (W) | |
| 364 | 3-932-993-01 | CHASSIS, OUTSERT | |
| 365 | 3-343-358-01 | RING, RETAINING | |
| 366 | 3-933-005-01 | SPRING (CAM), COMPRESSION | |
| 367 | 3-016-349-01 | WASHER | |
| 368 | 3-934-336-01 | BEARING | |
| 369 | 3-023-780-01 | SPRING | |
| S306 | 1-762-679-11 | SWITCH, LEAF (MD PLAY) | |
| S307 | 1-771-686-11 | SWITCH, LEAF (MD POWER) | |

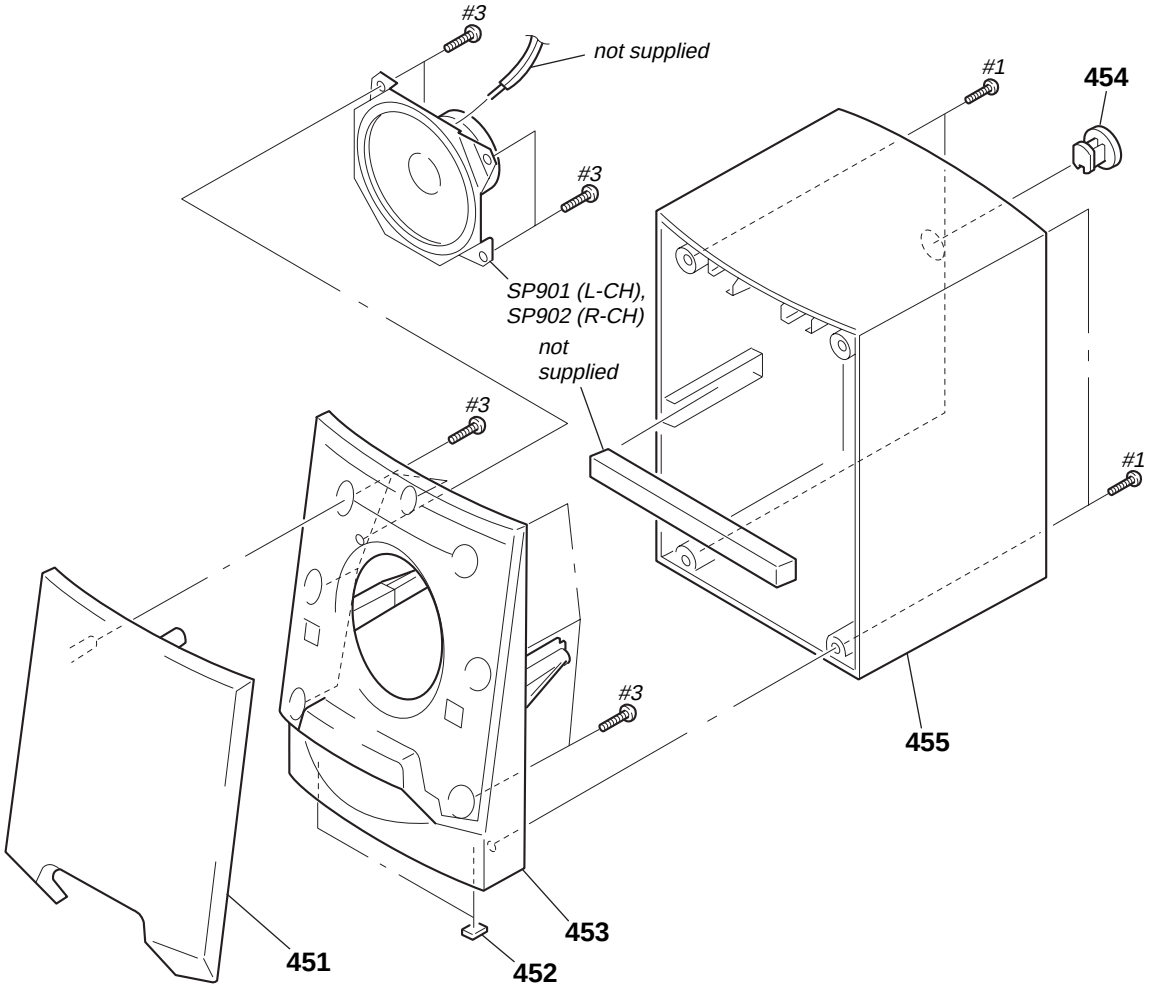
## 6-9. OPTICAL PICK-UP SECTION (KSS-213C)




The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 401 | 2-627-003-01 | GEAR (B) (RP) | |
| 402 | X-2626-202-1 | CHASSIS ASSY (MB), MOTOR (SPINDLE) (INCLUDING M701) | |
| 403 | 2-626-908-01 | SHAFT, SLED | |
| ⚠404 | 8-848-483-05 | PICK-UP, OPTICAL KSS-213C/Q-RP | |
| 405 | 2-647-227-01 | GEAR (A) | |
| 406 | 3-713-786-51 | SCREW +P 2X3 | |
| M702 | X-2625-769-1 | GEAR ASSY (MB), MOTOR (SLED) | |

## 6-10. SPEAKER SECTION




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 451 | X-3376-885-1 | FRAME (NET) ASSY | |
| 452 | 3-031-182-01 | RUBBER (10.2X10.2X3t) | |
| 453 | 3-033-107-11 | CABINET (FRONT), SPEAKER | |
| 454 | 3-008-700-11 | STOPPER, CORD | |
| 455 | 3-031-176-01 | CABINET (REAR) (L), SPEAKER | |
| 455 | 3-031-177-01 | CABINET (REAR) (R), SPEAKER | |
| SP901 | 1-529-185-11 | SPEAKER (10cm) (L-CH) | |
| SP902 | 1-529-185-11 | SPEAKER (10cm) (R-CH) | |

# SECTION 7
# ELECTRICAL PARTS LIST

BACK UP

BATTERY CD

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL:Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F:nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u : µ, for example:
  uA.. : µA.. uPA.. : µPA..
  uPB.. : µPB.. uPC.. : µPC.. uPD.. : µPD..
- CAPACITORS
  uF : µF
- COILS
  uH : µH

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety.
Replace only with part number specified.

When indicating parts by reference number, please include the board.

- Abbreviation
  EE : East European model
  SP : Singapore model
  CET : East European & CIS model

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| * | 1-672-183-11 | BACK UP BOARD | | | |
| | | ********** | | | |
| | | < CONNECTOR > | | | |
| * CNP913 | 1-691-573-11 | PIN, CONNECTOR (PC BOARD) 2P | | | |
| ********** | | | | | |
| * | 1-672-176-11 | BATTERY BOARD | | | |
| | | ********** | | | |
| | 3-031-171-01 | SPRING (–), BATTERY | | | |
| | 3-031-172-01 | SPRING, BACK UP | | | |
| | | < CONNECTOR > | | | |
| * CNP911 | 1-695-104-11 | PIN, CONNECTOR (PC BOARD) 2P | | | |
| ********** | | | | | |
| * | A-3321-771-A | CD BOARD, COMPLETE | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C701 | 1-162-600-11 | CERAMIC | 0.0047uF | 20% | 16V |
| C702 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C703 | 1-162-305-11 | CERAMIC | 0.0068uF | 20% | 16V |
| C704 | 1-137-374-11 | FILM | 0.047uF | 5% | 50V |
| C705 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C706 | 1-124-443-00 | ELECT | 100uF | 20% | 10V |
| C707 | 1-130-487-00 | MYLAR | 0.022uF | 5% | 50V |
| C708 | 1-162-851-11 | CERAMIC | 0.1uF | 10% | 16V |
| C709 | 1-162-851-11 | CERAMIC | 0.1uF | 10% | 16V |
| C710 | 1-161-047-00 | CERAMIC | 0.0047uF | 10% | 50V |
| C711 | 1-162-203-31 | CERAMIC | 15PF | 5% | 50V |
| C712 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C713 | 1-162-851-11 | CERAMIC | 0.1uF | 10% | 16V |
| C714 | 1-162-851-11 | CERAMIC | 0.1uF | 10% | 16V |
| C715 | 1-126-233-11 | ELECT | 22uF | 20% | 50V |
| C716 | 1-162-851-11 | CERAMIC | 0.1uF | 10% | 16V |
| C717 | 1-130-483-00 | MYLAR | 0.01uF | 5% | 50V |
| C718 | 1-131-377-00 | TANTALUM | 10uF | 10% | 10V |
| C719 | 1-104-664-11 | ELECT | 47uF | 20% | 10V |
| C720 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C721 | 1-130-489-00 | MYLAR | 0.033uF | 5% | 50V |
| C722 | 1-130-489-00 | MYLAR | 0.033uF | 5% | 50V |
| C723 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C724 | 1-130-489-00 | MYLAR | 0.033uF | 5% | 50V |
| C725 | 1-137-440-11 | FILM | 0.018uF | 5% | 50V |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C726 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C727 | 1-162-199-31 | CERAMIC | 10PF | 5% | 50V |
| C728 | 1-124-443-00 | ELECT | 100uF | 20% | 10V |
| C729 | 1-126-962-11 | ELECT | 3.3uF | 20% | 50V |
| C730 | 1-137-375-11 | FILM | 0.068uF | 5% | 50V |
| C731 | 1-162-215-31 | CERAMIC | 47PF | 5% | 50V |
| C732 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C733 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C734 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C735 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C737 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C739 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C741 | 1-161-053-00 | CERAMIC | 0.015uF | 10% | 50V |
| C742 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C743 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C744 | 1-124-472-11 | ELECT | 470uF | 20% | 10V |
| C745 | 1-124-443-00 | ELECT | 100uF | 20% | 10V |
| C746 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C747 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C749 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C750 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C751 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C752 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C753 | 1-124-443-00 | ELECT | 100uF | 20% | 10V |
| C755 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C756 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C758 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C759 | 1-124-443-00 | ELECT | 100uF | 20% | 10V |
| C760 | 1-137-194-81 | FILM | 0.47uF | 5% | 50V |
| C761 | 1-162-210-31 | CERAMIC | 30PF | 5% | 50V |
| C763 | 1-162-290-31 | CERAMIC | 470PF | 10% | 50V |
| C764 | 1-162-210-31 | CERAMIC | 30PF | 5% | 50V |
| C765 | 1-162-286-21 | CERAMIC | 220PF | 10% | 50V |
| C766 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C768 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C769 | 1-136-169-00 | FILM | 0.22uF | 5% | 50V |
| C771 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C772 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C773 | 1-124-443-00 | ELECT | 100uF | 20% | 10V |
| C775 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C776 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C780 | 1-162-284-31 | CERAMIC | 150PF | 10% | 50V |
| C781 | 1-162-292-31 | CERAMIC | 680PF | 10% | 50V |
| C782 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C790 | 1-162-284-31 | CERAMIC | 150PF | 10% | 50V |

## CD

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C791 | 1-162-292-31 | CERAMIC | 680PF | 10% | 50V |
| C792 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C794 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C795 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C796 | 1-162-290-31 | CERAMIC | 470PF | 10% | 50V |
| C798 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| | | < CONNECTOR > | | | |
| CNP701 | 1-779-553-11 | CONNECTOR, FFC (LIF (NON-ZIF)) 16P | | | |
| * CNP702 | 1-691-577-11 | PIN, CONNECTOR (PC BOARD) 6P | | | |
| * CNP703 | 1-784-732-11 | CONNECTOR, FFC 10P | | | |
| * CNP704 | 1-695-108-11 | PIN, CONNECTOR (PC BOARD) 6P | | | |
| | | < DIODE > | | | |
| D701 | 8-719-991-33 | DIODE 1SS133T-77 | | | |
| D702 | 8-719-991-33 | DIODE 1SS133T-77 | | | |
| D703 | 8-719-991-33 | DIODE 1SS133T-77 | | | |
| | | < FERRITE BEAD > | | | |
| FB701 | 1-414-142-11 | INDUCTOR | 1uH | | |
| FB705 | 1-414-137-31 | INDUCTOR | 0.22uH | | |
| | | < IC > | | | |
| IC701 | 8-752-082-14 | IC CXA1992BR | | | |
| IC702 | 8-759-473-42 | IC BA6898FP | | | |
| IC703 | 8-752-384-13 | IC CXD2589Q | | | |
| | | < COIL > | | | |
| L709 | 1-414-137-31 | INDUCTOR | 0.22uH | | |
| L711 | 1-410-509-11 | INDUCTOR | 10uH | | |
| | | < TRANSISTOR > | | | |
| Q701 | 8-729-037-02 | TRANSISTOR KTA1266Y-AT | | | |
| | | < RESISTOR > | | | |
| R701 | 1-249-440-11 | CARBON | 82K | 5% | 1/4W |
| R702 | 1-249-439-11 | CARBON | 68K | 5% | 1/4W |
| R703 | 1-249-439-11 | CARBON | 68K | 5% | 1/4W |
| R704 | 1-249-439-11 | CARBON | 68K | 5% | 1/4W |
| R705 | 1-249-439-11 | CARBON | 68K | 5% | 1/4W |
| R706 | 1-249-440-11 | CARBON | 82K | 5% | 1/4W |
| R707 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W |
| R709 | 1-247-883-00 | CARBON | 150K | 5% | 1/4W |
| R710 | 1-247-885-00 | CARBON | 180K | 5% | 1/4W |
| R711 | 1-247-883-00 | CARBON | 150K | 5% | 1/4W |
| R712 | 1-247-891-00 | CARBON | 330K | 5% | 1/4W |
| R714 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R715 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R716 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R717 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R718 | 1-247-899-11 | CARBON | 680K | 5% | 1/4W |
| R719 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R720 | 1-249-430-11 | CARBON | 12K | 5% | 1/4W |
| R721 | 1-247-862-11 | CARBON | 20K | 5% | 1/4W |
| R722 | 1-247-886-11 | CARBON | 200K | 5% | 1/4W |
| R723 | 1-247-896-11 | CARBON | 510K | 5% | 1/4W |
| R724 | 1-249-439-11 | CARBON | 68K | 5% | 1/4W |
| R725 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W |
| R726 | 1-247-883-00 | CARBON | 150K | 5% | 1/4W |
| R727 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R728 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R729 | 1-249-430-11 | CARBON | 12K | 5% | 1/4W |
| R730 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W |
| R731 | 1-247-863-11 | CARBON | 22K | 5% | 1/4W |
| R733 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R734 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| R735 | 1-249-427-11 | CARBON | 6.8K | 5% | 1/4W |
| R736 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| R738 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W |
| R739 | 1-247-815-11 | CARBON | 220 | 5% | 1/4W |
| R741 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R742 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R743 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R744 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R745 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R746 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R747 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R748 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R749 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R750 | 1-247-863-11 | CARBON | 22K | 5% | 1/4W |
| R751 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R752 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R753 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R755 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R756 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R757 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R758 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R759 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R760 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R764 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| R765 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R766 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R768 | 1-247-903-00 | CARBON | 1M | 5% | 1/4W |
| R771 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R772 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W |
| R780 | 1-249-430-11 | CARBON | 12K | 5% | 1/4W |
| R781 | 1-249-430-11 | CARBON | 12K | 5% | 1/4W |
| R782 | 1-249-430-11 | CARBON | 12K | 5% | 1/4W |
| R790 | 1-249-430-11 | CARBON | 12K | 5% | 1/4W |
| R791 | 1-249-430-11 | CARBON | 12K | 5% | 1/4W |
| R792 | 1-249-430-11 | CARBON | 12K | 5% | 1/4W |
| | | < VIBRATOR > | | | |
| X701 | 1-577-253-11 | VIBRATOR, CERAMIC (16.9344MHz) | | | |

**********

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| | 1-658-023-31 | CD MOTOR BOARD | | | |
| | | ********** | | | |
| | | < CONNECTOR > | | | |
| CNP707 | 1-564-722-11 | PIN, CONNECTOR (SMALL TYPE) 6P | | | |
| | | < SWITCH > | | | |
| S701 | 1-572-085-11 | SWITCH, LEAF (LIMIT) | | | |
| ********** | | | | | |
| * | A-3321-911-A | CONTROL BOARD, COMPLETE (EXCEPT EE) | | | |
| * | A-3321-978-A | CONTROL BOARD, COMPLETE (EE) | | | |
| | | ********** | | | |
| | 1-790-240-11 | CABLE, FFC 30P | | | |
| | 1-790-241-11 | CABLE, FFC 11P | | | |
| | 3-031-157-01 | HOLDER (LCD) | | | |
| | 3-032-951-01 | HOLDER (LED A) | | | |
| | 3-032-952-01 | HOLDER (LED B) | | | |
| | 3-032-953-01 | HOLDER (LED C) | | | |
| * | 3-033-101-01 | ILLUMINATOR | | | |
| | 7-685-647-79 | SCREW +BVTP 3X10 TYPE2 N-S | | | |
| | | < CAPACITOR > | | | |
| C801 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C802 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C803 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C804 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C805 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C806 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C808 | 1-102-516-11 | CERAMIC | 27PF | 5% | 50V |
| C809 | 1-102-516-11 | CERAMIC | 27PF | 5% | 50V |
| C810 | 1-102-516-11 | CERAMIC | 27PF | 5% | 50V |
| C811 | 1-102-960-00 | CERAMIC | 24PF | 5% | 50V |
| C812 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C813 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C814 | 1-124-903-11 | ELECT | 1uF | 20% | 50V |
| C815 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C816 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C819 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C820 | 1-104-666-11 | ELECT | 220uF | 20% | 10V |
| C821 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C822 | 1-102-517-11 | CERAMIC | 30PF | 5% | 50V |
| C823 | 1-102-517-11 | CERAMIC | 30PF | 5% | 50V |
| C824 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |
| C825 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C826 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C827 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C828 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C830 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C831 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C832 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C833 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C834 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C835 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C838 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C839 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C840 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C841 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C842 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C843 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C844 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C845 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| | | < CONNECTOR > | | | |
| * CNP801 | 1-695-107-11 | PIN, CONNECTOR (PC BOARD) 5P | | | |
| * CNP802 | 1-784-732-11 | CONNECTOR, FFC 10P | | | |
| * CNP803 | 1-784-789-11 | CONNECTOR, FFC 28P | | | |
| CNP806 | 1-506-986-11 | PIN, CONNECTOR (PC BOARD) 4P | | | |
| * CNP807 | 1-691-573-11 | PIN, CONNECTOR (PC BOARD) 2P | | | |
| | | < DIODE > | | | |
| D801 | 8-719-991-33 | DIODE 1SS133T-77 | | | |
| D804 | 8-719-991-33 | DIODE 1SS133T-77 | | | |
| D805 | 8-719-991-33 | DIODE 1SS133T-77 | | | |
| D806 | 8-719-074-73 | LED SLR-322VC3F (CLUB (SOUND)) | | | |
| D807 | 8-719-074-73 | LED SLR-322VC3F (JAZZ (SOUND)) | | | |
| D808 | 8-719-074-73 | LED SLR-322VC3F (POP (SOUND)) | | | |
| D809 | 8-719-074-73 | LED SLR-322VC3F (ROCK (SOUND)) | | | |
| D810 | 8-719-074-73 | LED SLR-322VC3F (MANUAL (SOUND)/ 5 BAND GRAPHIC EQUALIZER) | | | |
| D811 | 8-719-074-78 | LED SLR-332MC3F (TAPE) | | | |
| D812 | 8-719-074-78 | LED SLR-332MC3F (RADIO BAND) | | | |
| D813 | 8-719-074-78 | LED SLR-332MC3F (CD) | | | |
| D814 | 8-719-059-97 | LED L-34HD (OPR/BATT) | | | |
| D815 | 8-719-991-33 | DIODE 1SS133T-77 | | | |
| | | < IC > | | | |
| IC801 | 8-752-900-12 | IC CXP83516-601Q | | | |
| IC802 | 8-759-165-86 | IC PST600I-T | | | |
| IC803 | 8-759-179-74 | IC M62354P | | | |
| | | < RESISTOR > | | | |
| JW828 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| | | < COIL > | | | |
| L801 | 1-410-336-11 | INDUCTOR | 220uH | | |
| L802 | 1-414-146-31 | INDUCTOR | 2.2uH | | |
| L803 | 1-414-146-31 | INDUCTOR | 2.2uH | | |
| L804 | 1-414-142-11 | INDUCTOR | 1uH | | |
| | | < LIQUID CRYSTAL DISPLAY > | | | |
| LCD801 | 1-803-375-11 | DISPLAY PANEL, LIQUID CRYSTAL | | | |
| | | < TRANSISTOR > | | | |
| Q801 | 8-729-922-66 | TRANSISTOR 2SC2410SN | | | |
| Q802 | 8-729-922-66 | TRANSISTOR 2SC2410SN | | | |

# CONTROL

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| Q807 | 8-729-036-58 | TRANSISTOR KRC102M-AT | | | |
| Q808 | 8-729-036-58 | TRANSISTOR KRC102M-AT | | | |
| Q809 | 8-729-036-58 | TRANSISTOR KRC102M-AT | | | |
| Q810 | 8-729-036-58 | TRANSISTOR KRC102M-AT | | | |
| | | < RESISTOR > | | | |
| R401 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R402 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R403 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R404 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R405 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R411 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R412 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R413 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R414 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R415 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R416 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R417 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R801 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R802 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R803 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R804 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R805 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R806 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R807 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R808 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R809 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R810 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R811 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R812 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R813 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R814 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R815 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R816 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R817 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W |
| R818 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W |
| R819 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W |
| R820 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W |
| R821 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R822 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R823 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R824 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R825 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R826 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R827 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R828 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W (EE) |
| R829 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W (EXCEPT EE) |
| R830 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R831 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R832 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R833 | 1-249-413-11 | CARBON | 470 | 5% | 1/4W |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R834 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R835 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R836 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R837 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R838 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R839 | 1-247-872-11 | CARBON | 51K | 5% | 1/4W |
| R840 | 1-247-872-11 | CARBON | 51K | 5% | 1/4W |
| R841 | 1-247-872-11 | CARBON | 51K | 5% | 1/4W |
| R842 | 1-249-440-11 | CARBON | 82K | 5% | 1/4W |
| R843 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R844 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R845 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R846 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R847 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R848 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R849 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R850 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R851 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R852 | 1-247-807-11 | CARBON | 100 | 5% | 1/4W |
| R853 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R854 | 1-247-807-11 | CARBON | 100 | 5% | 1/4W |
| R855 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R856 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R857 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R858 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R859 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R860 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R865 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W |
| R866 | 1-247-815-11 | CARBON | 220 | 5% | 1/4W |
| R867 | 1-247-815-11 | CARBON | 220 | 5% | 1/4W |
| R868 | 1-247-815-11 | CARBON | 220 | 5% | 1/4W |
| R869 | 1-249-410-11 | CARBON | 270 | 5% | 1/4W |
| R871 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W |
| R872 | 1-249-416-11 | CARBON | 820 | 5% | 1/4W |
| R873 | 1-249-418-11 | CARBON | 1.2K | 5% | 1/4W |
| R874 | 1-249-420-11 | CARBON | 1.8K | 5% | 1/4W |
| R875 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W |
| R876 | 1-249-416-11 | CARBON | 820 | 5% | 1/4W |
| R877 | 1-249-418-11 | CARBON | 1.2K | 5% | 1/4W |
| R878 | 1-249-420-11 | CARBON | 1.8K | 5% | 1/4W |
| R879 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| R880 | 1-249-427-11 | CARBON | 6.8K | 5% | 1/4W |
| R881 | 1-249-432-11 | CARBON | 18K | 5% | 1/4W |
| R886 | 1-249-428-11 | CARBON | 8.2K | 5% | 1/4W |
| R887 | 1-249-427-11 | CARBON | 6.8K | 5% | 1/4W |
| R888 | 1-249-432-11 | CARBON | 18K | 5% | 1/4W |
| R889 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W |
| R890 | 1-249-416-11 | CARBON | 820 | 5% | 1/4W |
| R891 | 1-249-418-11 | CARBON | 1.2K | 5% | 1/4W |
| R892 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| R893 | 1-249-427-11 | CARBON | 6.8K | 5% | 1/4W |
| R894 | 1-249-435-11 | CARBON | 33K | 5% | 1/4W |
| R896 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R897 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R898 | 1-247-807-11 | CARBON | 100 | 5% | 1/4W |
| | | < VARIABLE RESISTOR > | | | |
| RV401 | 1-225-762-11 | RES, VAR, SLIDE 50K (MEGA BASS (5 BAND GRAPHIC EQUALIZER)) | | | |
| RV402 | 1-225-763-11 | RES, VAR, SLIDE 50K (400Hz (5 BAND GRAPHIC EQUALIZER)) | | | |
| RV403 | 1-225-763-11 | RES, VAR, SLIDE 50K (1kHz (5 BAND GRAPHIC EQUALIZER)) | | | |
| RV404 | 1-225-763-11 | RES, VAR, SLIDE 50K (4kHz (5 BAND GRAPHIC EQUALIZER)) | | | |
| RV405 | 1-225-763-11 | RES, VAR, SLIDE 50K (10kHz (5 BAND GRAPHIC EQUALIZER)) | | | |
| | | < SWITCH > | | | |
| S803 | 1-762-798-11 | SWITCH, KEY BOARD (CLUB (SOUND)) | | | |
| S804 | 1-762-798-11 | SWITCH, KEY BOARD (JAZZ (SOUND)) | | | |
| S805 | 1-762-798-11 | SWITCH, KEY BOARD (POP (SOUND)) | | | |
| S806 | 1-762-798-11 | SWITCH, KEY BOARD (ROCK (SOUND)) | | | |
| S807 | 1-762-798-11 | SWITCH, KEY BOARD (MANUAL (SOUND)/ 5 BAND GRAPHIC EQUALIZER) | | | |
| S808 | 1-762-798-11 | SWITCH, KEY BOARD (► II) | | | |
| S809 | 1-762-798-11 | SWITCH, KEY BOARD (■) | | | |
| S810 | 1-762-798-11 | SWITCH, KEY BOARD (►►I TUNE/+ TIME SET) | | | |
| S811 | 1-762-798-11 | SWITCH, KEY BOARD (VOLUME +) | | | |
| S812 | 1-762-798-11 | SWITCH, KEY BOARD (VOLUME –) | | | |
| S813 | 1-762-798-11 | SWITCH, KEY BOARD (MODE) | | | |
| S814 | 1-762-798-11 | SWITCH, KEY BOARD (FLASH) | | | |
| S815 | 1-762-798-11 | SWITCH, KEY BOARD (LOOP) | | | |
| S821 | 1-762-798-11 | SWITCH, KEY BOARD (I◄◄ TUNE/TIME SET –) | | | |
| S822 | 1-762-798-11 | SWITCH, KEY BOARD (PRESET –) | | | |
| S823 | 1-762-798-11 | SWITCH, KEY BOARD (PRESET +) | | | |
| S824 | 1-762-798-11 | SWITCH, KEY BOARD (OPERATE) | | | |
| S825 | 1-762-798-11 | SWITCH, KEY BOARD (CD) | | | |
| S826 | 1-762-798-11 | SWITCH, KEY BOARD (RADIO BAND) | | | |
| S827 | 1-762-798-11 | SWITCH, KEY BOARD (TAPE) | | | |
| | | < VIBRATOR > | | | |
| X801 | 1-767-184-11 | VIBRATOR, CERAMIC (4.19MHz) | | | |
| X802 | 1-767-697-11 | VIBRATOR, CRYSTAL (32.768kHz) | | | |
| ********** | | | | | |
| * | 1-672-182-11 | KEY BOARD ********** | | | |
| | | < CAPACITOR > | | | |
| C871 | 1-164-159-21 | CERAMIC | 0.1uF | | 50V |
| | | < IC > | | | |
| IC811 | 8-759-459-85 | IC NJL63H400A | | | |
| | | < RESISTOR > | | | |
| R882 | 1-249-415-11 | CARBON | 680 | 5% | 1/4W |
| R883 | 1-249-416-11 | CARBON | 820 | 5% | 1/4W |
| R884 | 1-249-418-11 | CARBON | 1.2K | 5% | 1/4W |
| R885 | 1-249-420-11 | CARBON | 1.8K | 5% | 1/4W |
| | | < SWITCH > | | | |
| S816 | 1-762-798-11 | SWITCH, KEY BOARD (TIMER) | | | |
| S817 | 1-762-798-11 | SWITCH, KEY BOARD (SLEEP) | | | |
| S818 | 1-762-798-11 | SWITCH, KEY BOARD (STANDBY) | | | |
| S819 | 1-762-798-11 | SWITCH, KEY BOARD (CLOCK) | | | |
| S820 | 1-762-798-11 | SWITCH, KEY BOARD (DISPLAY ENT MEM) | | | |
| ********** | | | | | |
| * | 1-672-177-11 | LAMP BOARD ********** | | | |
| | | < PILOT LAMP > | | | |
| PL801 | 1-517-863-11 | LAMP, PILOT | | | |
| PL802 | 1-517-863-11 | LAMP, PILOT | | | |
| PL803 | 1-517-863-11 | LAMP, PILOT | | | |
| ********** | | | | | |
| * | A-3321-910-A | MAIN BOARD, COMPLETE (EXCEPT EE) | | | |
| * | A-3321-977-A | MAIN BOARD, COMPLETE (EE) ********** | | | |
| * | 3-031-181-01 | HEAT SINK | | | |
| | 3-370-910-31 | WASHER | | | |
| | 7-685-647-79 | SCREW +BVTP 3X10 TYPE2 N-S | | | |
| | | < CAPACITOR > | | | |
| C1 | 1-107-734-11 | FILM | 360PF | 5% | 100V |
| C2 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C3 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C4 | 1-127-888-21 | CERAMIC | 0.1uF | 10% | 50V |
| C5 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C6 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C7 | 1-162-280-31 | CERAMIC | 82PF | 10% | 50V |
| C8 | 1-162-301-11 | CERAMIC | 0.0015uF | 30% | 16V |
| C10 | 1-124-903-11 | ELECT | 1uF | 20% | 50V |
| C11 | 1-127-888-21 | CERAMIC | 0.1uF | 10% | 50V |
| C12 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C13 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C14 | 1-162-840-11 | CERAMIC | 0.012uF | 10% | 16V |
| C15 | 1-162-840-11 | CERAMIC | 0.012uF | 10% | 16V |
| C16 | 1-124-903-11 | ELECT | 1uF | 20% | 50V |
| C17 | 1-124-903-11 | ELECT | 1uF | 20% | 50V |
| C18 | 1-104-666-11 | ELECT | 220uF | 20% | 10V |
| C20 | 1-127-888-21 | CERAMIC | 0.1uF | 10% | 50V |
| C21 | 1-124-902-11 | ELECT | 0.47uF | 20% | 50V |
| C22 | 1-127-888-21 | CERAMIC | 0.1uF | 10% | 50V |
| C23 | 1-124-903-11 | ELECT | 1uF | 20% | 50V |
| C24 | 1-162-288-31 | CERAMIC | 330PF | 10% | 50V |
| C25 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C27 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C30 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |

# MAIN

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C31 | 1-102-514-11 | CERAMIC | 22PF | 5% | 50V (EXCEPT EE) |
| C31 | 1-162-199-31 | CERAMIC | 10PF | 5% | 50V (EE) |
| C33 | 1-127-888-21 | CERAMIC | 0.1uF | 10% | 50V |
| C34 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C35 | 1-127-888-21 | CERAMIC | 0.1uF | 10% | 50V |
| C36 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C37 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C40 | 1-162-203-31 | CERAMIC | 15PF | 5% | 50V |
| C41 | 1-127-888-21 | CERAMIC | 0.1uF | 10% | 50V |
| C42 | 1-102-822-00 | CERAMIC | 390PF | 5% | 50V |
| C43 | 1-102-951-00 | CERAMIC | 15PF | 5% | 50V |
| C44 | 1-127-888-21 | CERAMIC | 0.1uF | 10% | 50V |
| C45 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C46 | 1-127-888-21 | CERAMIC | 0.1uF | 10% | 50V |
| C47 | 1-162-306-11 | CERAMIC | 0.01uF | 30% | 16V |
| C51 | 1-162-201-31 | CERAMIC | 12PF | 5% | 50V |
| C52 | 1-162-199-31 | CERAMIC | 10PF | 5% | 50V |
| C53 | 1-136-177-00 | FILM | 1uF | 5% | 50V |
| C54 | 1-124-472-11 | ELECT | 470uF | 20% | 10V |
| C55 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C56 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C57 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C58 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C60 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C62 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C63 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C64 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C65 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C66 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C67 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C77 | 1-137-370-11 | FILM | 0.01uF | 5% | 50V |
| C80 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C91 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C92 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C93 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C94 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C95 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C101 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C102 | 1-162-290-31 | CERAMIC | 470PF | 10% | 50V |
| C103 | 1-162-851-11 | CERAMIC | 0.1uF | 10% | 16V |
| C104 | 1-126-233-11 | ELECT | 22uF | 20% | 50V |
| C105 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C106 | 1-162-290-31 | CERAMIC | 470PF | 10% | 50V |
| C107 | 1-126-233-11 | ELECT | 22uF | 20% | 50V |
| C108 | 1-162-840-11 | CERAMIC | 0.012uF | 10% | 16V |
| C109 | 1-124-903-11 | ELECT | 1uF | 20% | 50V |
| C110 | 1-124-903-11 | ELECT | 1uF | 20% | 50V |
| C112 | 1-162-286-21 | CERAMIC | 220PF | 10% | 50V |
| C113 | 1-124-903-11 | ELECT | 1uF | 20% | 50V |
| C114 | 1-124-903-11 | ELECT | 1uF | 20% | 50V |
| C115 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C116 | 1-124-903-11 | ELECT | 1uF | 20% | 50V |
| C117 | 1-162-290-31 | CERAMIC | 470PF | 10% | 50V |
| C123 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |
| C125 | 1-162-303-11 | CERAMIC | 0.0033uF | 30% | 16V |
| C126 | 1-104-664-11 | ELECT | 47uF | 20% | 10V |
| C127 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C129 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C130 | 1-104-664-11 | ELECT | 47uF | 20% | 10V |
| C132 | 1-130-485-00 | MYLAR | 0.015uF | 5% | 50V |
| C133 | 1-130-485-00 | MYLAR | 0.015uF | 5% | 50V |
| C134 | 1-104-664-11 | ELECT | 47uF | 20% | 10V |
| C135 | 1-124-443-00 | ELECT | 100uF | 20% | 10V |
| C136 | 1-124-443-00 | ELECT | 100uF | 20% | 10V |
| C201 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C202 | 1-162-290-31 | CERAMIC | 470PF | 10% | 50V |
| C203 | 1-162-851-11 | CERAMIC | 0.1uF | 10% | 16V |
| C204 | 1-126-233-11 | ELECT | 22uF | 20% | 50V |
| C205 | 1-162-294-31 | CERAMIC | 0.001uF | 10% | 50V |
| C206 | 1-162-290-31 | CERAMIC | 470PF | 10% | 50V |
| C207 | 1-126-233-11 | ELECT | 22uF | 20% | 50V |
| C208 | 1-162-840-11 | CERAMIC | 0.012uF | 10% | 16V |
| C209 | 1-124-903-11 | ELECT | 1uF | 20% | 50V |
| C210 | 1-124-903-11 | ELECT | 1uF | 20% | 50V |
| C211 | 1-162-286-21 | CERAMIC | 220PF | 10% | 50V |
| C212 | 1-162-286-21 | CERAMIC | 220PF | 10% | 50V |
| C213 | 1-124-903-11 | ELECT | 1uF | 20% | 50V |
| C214 | 1-124-903-11 | ELECT | 1uF | 20% | 50V |
| C215 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C216 | 1-124-903-11 | ELECT | 1uF | 20% | 50V |
| C217 | 1-162-290-31 | CERAMIC | 470PF | 10% | 50V |
| C223 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |
| C225 | 1-162-303-11 | CERAMIC | 0.0033uF | 30% | 16V |
| C226 | 1-104-664-11 | ELECT | 47uF | 20% | 10V |
| C227 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C229 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C230 | 1-104-664-11 | ELECT | 47uF | 20% | 10V |
| C232 | 1-130-485-00 | MYLAR | 0.015uF | 5% | 50V |
| C233 | 1-130-485-00 | MYLAR | 0.015uF | 5% | 50V |
| C234 | 1-104-664-11 | ELECT | 47uF | 20% | 10V |
| C235 | 1-124-443-00 | ELECT | 100uF | 20% | 10V |
| C236 | 1-124-443-00 | ELECT | 100uF | 20% | 10V |
| C301 | 1-130-471-00 | MYLAR | 0.001uF | 5% | 50V |
| C302 | 1-130-483-00 | MYLAR | 0.01uF | 5% | 50V |
| C303 | 1-130-483-00 | MYLAR | 0.01uF | 5% | 50V |
| C304 | 1-124-443-00 | ELECT | 100uF | 20% | 10V |
| C305 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C306 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C307 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |
| C308 | 1-104-666-11 | ELECT | 220uF | 20% | 10V |
| C309 | 1-162-286-21 | CERAMIC | 220PF | 10% | 50V |
| C310 | 1-104-666-11 | ELECT | 220uF | 20% | 10V |
| C311 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C312 | 1-124-907-11 | ELECT | 10uF | 20% | 50V |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C313 | 1-162-286-21 | CERAMIC | 220PF | 10% | 50V |
| C314 | 1-162-282-31 | CERAMIC | 100PF | 10% | 50V |
| C315 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C316 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C317 | 1-104-666-11 | ELECT | 220uF | 20% | 10V |
| C318 | 1-104-664-11 | ELECT | 47uF | 20% | 10V |
| C319 | 1-124-903-11 | ELECT | 1uF | 20% | 50V |
| C320 | 1-162-851-11 | CERAMIC | 0.1uF | 10% | 16V |
| C321 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C322 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C323 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C324 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C325 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C326 | 1-104-666-11 | ELECT | 220uF | 20% | 10V |
| C327 | 1-161-021-11 | CERAMIC | 0.047uF | 10% | 25V |
| C328 | 1-161-021-11 | CERAMIC | 0.047uF | 10% | 25V |
| C329 | 1-104-665-11 | ELECT | 100uF | 20% | 16V |
| C330 | 1-104-664-11 | ELECT | 47uF | 20% | 10V |
| C331 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C332 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C333 | 1-104-666-11 | ELECT | 220uF | 20% | 10V |
| C334 | 1-124-443-00 | ELECT | 100uF | 20% | 10V |
| C335 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C336 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C337 | 1-124-472-11 | ELECT | 470uF | 20% | 10V |
| C338 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C339 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C340 | 1-124-443-00 | ELECT | 100uF | 20% | 10V |
| C341 | 1-104-664-11 | ELECT | 47uF | 20% | 10V |
| C342 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C343 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C344 | 1-104-666-11 | ELECT | 220uF | 20% | 10V |
| C345 | 1-124-903-11 | ELECT | 1uF | 20% | 50V |
| C346 | 1-162-306-11 | CERAMIC | 0.01uF | 20% | 16V |
| C347 | 1-126-233-11 | ELECT | 22uF | 20% | 50V |
| C348 | 1-126-937-11 | ELECT | 4700uF | 20% | 16V |
| C349 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V |
| C350 | 1-126-941-11 | ELECT | 470uF | 20% | 16V |
| C351 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C352 | 1-126-233-11 | ELECT | 22uF | 20% | 50V |
| | | < FILTER > | | | |
| CF1 | 1-579-083-11 | FILTER, CERAMIC | | | |
| CF2 | 1-579-083-11 | FILTER, CERAMIC | | | |
| CF3 | 1-781-171-11 | DISCRIMINATOR, CERAMIC | | | |
| CF4 | 1-781-344-11 | FILTER, AM CERAMIC | | | |
| | | < CONNECTOR > | | | |
| * CNP302 | 1-691-577-11 | PIN, CONNECTOR (PC BOARD) 6P | | | |
| CNP303 | 1-506-986-11 | PIN, CONNECTOR (PC BOARD) 4P | | | |
| * CNP304 | 1-691-577-11 | PIN, CONNECTOR (PC BOARD) 6P | | | |
| * CNP305 | 1-691-579-11 | PIN, CONNECTOR (PC BOARD) 8P | | | |
| * CNP307 | 1-784-789-11 | CONNECTOR, FFC 28P | | | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| * CNP308 | 1-691-573-11 | PIN, CONNECTOR (PC BOARD) 2P | |
| * CNP310 | 1-691-577-21 | PIN, CONNECTOR (PC BOARD) 6P | |
| | | < TRIMMER > | |
| CT1 | 1-141-603-11 | CAP, ADJ 20PF (EXCEPT EE) | |
| CT3 | 1-141-603-11 | CAP, ADJ 20PF | |
| CT5 | 1-141-605-21 | CAP, ADJ 40PF | |
| | | < DIODE > | |
| D1 | 8-719-050-72 | DIODE KV1370NT | |
| D2 | 8-719-050-72 | DIODE KV1370NT | |
| D3 | 8-719-050-69 | DIODE KV1520N | |
| D7 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D8 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D10 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D11 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D13 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D14 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D301 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D302 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D303 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D304 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D305 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D306 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D307 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D308 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D309 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D310 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D311 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D312 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D313 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D314 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D315 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D316 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D317 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D318 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D319 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D320 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D321 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D322 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D323 | 8-719-109-89 | DIODE RD5.6ESB2 | |
| D324 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D325 | 8-719-109-97 | DIODE RD6.8ES-B2 | |
| D326 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D327 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D328 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D329 | 8-719-929-15 | DIODE HZS9.1NB2 | |
| D331 | 8-719-109-97 | DIODE RD6.8ES-B2 | |
| D333 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D334 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D335 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D336 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D337 | 8-719-991-33 | DIODE 1SS133T-77 | |

# MAIN

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| D338 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D339 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D340 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D341 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D342 | 8-719-991-33 | DIODE 1SS133T-77 | |
| D343 | 8-719-991-33 | DIODE 1SS133T-77 | |
| | | < FUSE HOLDER > | |
| FH1 | 1-533-233-31 | HOLDER, FUSE | |
| | | < BPF > | |
| FL1 | 1-236-711-21 | FILTER, BAND PASS (EXCEPT EE) | |
| FL1 | 1-239-831-11 | FILTER, BAND PASS (EE) | |
| | | < IC > | |
| IC1 | 8-759-549-84 | IC TA2104AN | |
| IC2 | 8-759-549-57 | IC LC72137-D | |
| IC301 | 8-759-457-58 | IC BA3426AS | |
| IC302 | 8-752-067-34 | IC CXA1352AS | |
| IC303 | 8-759-426-51 | IC BA5417 | |
| IC304 | 8-759-426-51 | IC BA5417 | |
| IC305 | 8-759-095-60 | IC S-81250PG | |
| | | < JACK > | |
| J301 | 1-566-891-21 | JACK (PHONES) | |
| J302 | 1-537-330-11 | TERMINAL BOARD (SPEAKER) | |
| | | < CABLE HOLDER > | |
| * KH1 | 1-565-386-11 | HOLDER, CABLE 5P | |
| | | < COIL > | |
| L1 | 1-416-940-11 | COIL, FM RF (EE) | |
| L1 | 1-416-987-11 | COIL, FM RF (EXCEPT EE) | |
| L2 | 1-409-904-31 | COIL, FM OSC (EXCEPT EE) | |
| L2 | 1-416-939-11 | COIL, FM OSC (EE) | |
| L3 | 1-501-924-11 | ANTENNA, FERRITE-ROD (MW/LW) | |
| L4 | 1-411-199-11 | COIL, MW/LW OSC | |
| L11 | 1-410-750-41 | INDUCTOR 0.47uH | |
| L12 | 1-414-142-11 | INDUCTOR 1uH | |
| L13 | 1-414-137-31 | INDUCTOR 0.22uH | |
| L91 | 1-410-521-11 | INDUCTOR 100uH | |
| L92 | 1-410-521-11 | INDUCTOR 100uH | |
| L101 | 1-410-750-41 | INDUCTOR 0.47uH | |
| L201 | 1-410-750-41 | INDUCTOR 0.47uH | |
| L301 | 1-410-324-11 | INDUCTOR 4.7uH | |
| L302 | 1-410-521-11 | INDUCTOR 100uH | |
| | | < TRANSISTOR > | |
| Q2 | 8-729-037-34 | TRANSISTOR KRA107M | |
| Q13 | 8-729-036-58 | TRANSISTOR KRC102M-AT | |
| Q40 | 8-729-037-34 | TRANSISTOR KRA107M | |
| Q41 | 8-729-905-50 | TRANSISTOR DTC343TS | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| Q42 | 8-729-922-66 | TRANSISTOR 2SC2410SN | |
| Q43 | 8-729-922-66 | TRANSISTOR 2SC2410SN | |
| Q44 | 8-729-823-22 | TRANSISTOR 2SC3576 | |
| Q61 | 8-729-106-07 | FET 2SK514-H | |
| Q101 | 8-729-036-80 | TRANSISTOR KRC110M | |
| Q201 | 8-729-036-80 | TRANSISTOR KRC110M | |
| Q301 | 8-729-036-58 | TRANSISTOR KRC102M-AT | |
| Q302 | 8-729-036-58 | TRANSISTOR KRC102M-AT | |
| Q303 | 8-729-036-58 | TRANSISTOR KRC102M-AT | |
| Q304 | 8-729-037-29 | TRANSISTOR KRA102M | |
| Q305 | 8-729-036-77 | TRANSISTOR KRC107M | |
| Q306 | 8-729-011-94 | FET 2SK105ATP-3040 | |
| Q307 | 8-729-036-89 | TRANSISTOR KTC3198GR-AT | |
| Q308 | 8-729-036-57 | TRANSISTOR KRC101M-AT | |
| Q309 | 8-729-037-29 | TRANSISTOR KRA102M | |
| Q310 | 8-729-036-77 | TRANSISTOR KRC107M | |
| Q311 | 8-729-037-17 | TRANSISTOR KRA104M-AT | |
| Q312 | 8-729-036-77 | TRANSISTOR KRC107M | |
| Q313 | 8-729-036-77 | TRANSISTOR KRC107M | |
| Q314 | 8-729-040-76 | TRANSISTOR KTA1273-Y-AT | |
| Q315 | 8-729-036-89 | TRANSISTOR KTC3198GR-AT | |
| Q316 | 8-729-037-29 | TRANSISTOR KRA102M | |
| Q317 | 8-729-037-29 | TRANSISTOR KRA102M | |
| Q318 | 8-729-036-58 | TRANSISTOR KRC102M-AT | |
| Q319 | 8-729-036-58 | TRANSISTOR KRC102M-AT | |
| Q320 | 8-729-037-03 | TRANSISTOR KTA1266GR-AT | |
| Q321 | 8-729-036-89 | TRANSISTOR KTC3198GR-AT | |
| Q322 | 8-729-011-92 | TRANSISTOR 2SC2001TP-K1K2 | |
| Q323 | 8-729-036-80 | TRANSISTOR KRC110M | |
| Q324 | 8-729-036-68 | TRANSISTOR KRC112M-AT | |
| Q325 | 8-729-036-80 | TRANSISTOR KRC110M | |
| Q327 | 8-729-036-89 | TRANSISTOR KTC3198GR-AT | |
| Q328 | 8-729-037-03 | TRANSISTOR KTA1266GR-AT | |
| Q329 | 8-729-036-89 | TRANSISTOR KTC3198GR-AT | |
| Q330 | 8-729-209-15 | TRANSISTOR 2SD2012 | |
| Q331 | 8-729-209-15 | TRANSISTOR 2SD2012 | |
| Q332 | 8-729-209-15 | TRANSISTOR 2SD2012 | |
| Q333 | 8-729-209-15 | TRANSISTOR 2SD2012 | |
| Q334 | 8-729-036-86 | TRANSISTOR KTC3203Y-AT | |
| Q335 | 8-729-036-86 | TRANSISTOR KTC3203Y-AT | |
| Q336 | 8-729-037-17 | TRANSISTOR KRA104M-AT | |
| Q337 | 8-729-036-89 | TRANSISTOR KTC3198GR-AT | |
| Q338 | 8-729-037-03 | TRANSISTOR KTA1266GR-AT | |
| Q339 | 8-729-036-58 | TRANSISTOR KRC102M-AT | |
| Q340 | 8-729-200-39 | TRANSISTOR 2SC2236-Y | |
| | | < RESISTOR > | |
| R1 | 1-249-413-11 | CARBON 470 5% 1/4W | |
| R2 | 1-247-815-11 | CARBON 220 5% 1/4W | |
| R3 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R4 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R7 | 1-247-895-11 | CARBON 470K 5% 1/4W | |
| R8 | 1-249-417-11 | CARBON 1K 5% 1/4W | |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R9 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R10 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W |
| R11 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| R13 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R16 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R18 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R24 | 1-247-807-11 | CARBON | 100 | 5% | 1/4W |
| R25 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W |
| R30 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| R31 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| R32 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R33 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W |
| R35 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R40 | 1-247-895-11 | CARBON | 470K | 5% | 1/4W |
| R41 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R42 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R43 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R50 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R51 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R53 | 1-249-427-11 | CARBON | 6.8K | 5% | 1/4W |
| R54 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| R56 | 1-249-418-11 | CARBON | 1.2K | 5% | 1/4W |
| R58 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R59 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R60 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R61 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R62 | 1-247-863-11 | CARBON | 22K | 5% | 1/4W |
| R63 | 1-247-863-11 | CARBON | 22K | 5% | 1/4W |
| R64 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R65 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R66 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R91 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R92 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R94 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R95 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R101 | 1-247-852-11 | CARBON | 7.5K | 5% | 1/4W |
| R103 | 1-247-815-11 | CARBON | 220 | 5% | 1/4W |
| R104 | 1-247-815-11 | CARBON | 220 | 5% | 1/4W |
| R105 | 1-247-807-11 | CARBON | 100 | 5% | 1/4W |
| R106 | 1-249-424-11 | CARBON | 3.9K | 5% | 1/4W |
| R107 | 1-249-418-11 | CARBON | 1.2K | 5% | 1/4W |
| R108 | 1-247-863-11 | CARBON | 22K | 5% | 1/4W |
| R109 | 1-249-427-11 | CARBON | 6.8K | 5% | 1/4W |
| R110 | 1-249-410-11 | CARBON | 270 | 5% | 1/4W |
| R111 | 1-249-410-11 | CARBON | 270 | 5% | 1/4W |
| R112 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W |
| R113 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R114 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| R115 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R116 | 1-249-385-11 | CARBON | 2.2 | 5% | 1/6W |
| R117 | 1-249-385-11 | CARBON | 2.2 | 5% | 1/6W |
| R118 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R119 | 1-247-807-11 | CARBON | 100 | 5% | 1/4W |
| R201 | 1-247-852-11 | CARBON | 7.5K | 5% | 1/4W |
| R203 | 1-247-815-11 | CARBON | 220 | 5% | 1/4W |
| R204 | 1-247-815-11 | CARBON | 220 | 5% | 1/4W |
| R205 | 1-247-807-11 | CARBON | 100 | 5% | 1/4W |
| R206 | 1-249-424-11 | CARBON | 3.9K | 5% | 1/4W |
| R207 | 1-249-418-11 | CARBON | 1.2K | 5% | 1/4W |
| R208 | 1-247-863-11 | CARBON | 22K | 5% | 1/4W |
| R209 | 1-249-427-11 | CARBON | 6.8K | 5% | 1/4W |
| R210 | 1-249-410-11 | CARBON | 270 | 5% | 1/4W |
| R211 | 1-249-410-11 | CARBON | 270 | 5% | 1/4W |
| R212 | 1-249-434-11 | CARBON | 27K | 5% | 1/4W |
| R213 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R214 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| R215 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R216 | 1-249-385-11 | CARBON | 2.2 | 5% | 1/6W |
| R217 | 1-249-385-11 | CARBON | 2.2 | 5% | 1/6W |
| R218 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R219 | 1-247-807-11 | CARBON | 100 | 5% | 1/4W |
| R301 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R302 | 1-247-895-11 | CARBON | 470K | 5% | 1/4W |
| R304 | 1-247-863-11 | CARBON | 22K | 5% | 1/4W |
| R306 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R307 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R308 | 1-247-818-11 | CARBON | 300 | 5% | 1/4W |
| R309 | 1-249-427-11 | CARBON | 6.8K | 5% | 1/4W |
| R310 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R311 | 1-249-427-11 | CARBON | 6.8K | 5% | 1/4W |
| R312 | 1-247-863-11 | CARBON | 22K | 5% | 1/4W |
| R313 | 1-247-863-11 | CARBON | 22K | 5% | 1/4W |
| R314 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R315 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R316 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R317 | 1-247-863-11 | CARBON | 22K | 5% | 1/4W |
| R319 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R320 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R321 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R322 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R323 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R324 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R325 | 1-249-418-11 | CARBON | 1.2K | 5% | 1/4W |
| R326 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R327 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R328 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W |
| R329 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R330 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R331 | 1-247-884-11 | CARBON | 160K | 5% | 1/4W |
| R333 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R334 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R335 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R336 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| R338 | 1-247-899-11 | CARBON | 680K | 5% | 1/4W |
| R339 | 1-247-889-00 | CARBON | 270K | 5% | 1/4W |
| R340 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |

# MAIN POWER

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R341 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R342 | 1-247-815-11 | CARBON | 220 | 5% | 1/4W |
| R343 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R344 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R354 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R355 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R356 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R357 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R358 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R359 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R360 | 1-249-441-11 | CARBON | 100K | 5% | 1/4W |
| R361 | 1-247-895-11 | CARBON | 470K | 5% | 1/4W |
| R362 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R363 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R364 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R365 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W |
| R366 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W |
| ⚠R367 | 1-212-934-00 | FUSIBLE | 1 | 5% | 1/2W F |
| R369 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W |
| R370 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W |
| R371 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R372 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R373 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R374 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W |
| R375 | 1-247-807-11 | CARBON | 100 | 5% | 1/4W |
| R376 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W |
| R377 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R378 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| R379 | 1-247-807-11 | CARBON | 100 | 5% | 1/4W |
| R380 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W |
| R381 | 1-249-437-11 | CARBON | 47K | 5% | 1/4W |
| R382 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R385 | 1-247-828-11 | CARBON | 750 | 5% | 1/4W |
| R387 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R388 | 1-247-807-11 | CARBON | 100 | 5% | 1/4W |
| R389 | 1-247-807-11 | CARBON | 100 | 5% | 1/4W |
| R390 | 1-247-807-11 | CARBON | 100 | 5% | 1/4W |
| R391 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W |
| | | < VARIABLE RESISTOR > | | | |
| RV301 | 1-228-991-00 | RES, ADJ, METAL 2.2K | | | |
| | | < SWITCH > | | | |
| S302 | 1-554-798-31 | SWITCH, SLIDE (ISS) | | | |
| | | < TRANSFORMER > | | | |
| T1 | 1-433-741-11 | TRANSFORMER, IF | | | |
| T301 | 1-433-346-11 | TRANSFORMER, BIAS OSCILLATOR | | | |
| | | < VIBRATOR > | | | |
| X1 | 1-760-130-11 | VIBRATOR, CRYSTAL (75kHz) | | | |

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| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| * | 1-672-180-11 | POWER BOARD | | | |
| | | ********** | | | |
| | 1-533-233-31 | HOLDER, FUSE | | | |
| | | < CAPACITOR > | | | |
| C901 | 1-161-055-00 | CERAMIC | 0.022uF | 10% | 50V |
| C902 | 1-161-055-00 | CERAMIC | 0.022uF | 10% | 50V |
| C903 | 1-161-055-00 | CERAMIC | 0.022uF | 10% | 50V |
| C904 | 1-161-055-00 | CERAMIC | 0.022uF | 10% | 50V |
| C906 | 1-161-055-00 | CERAMIC | 0.022uF | 10% | 50V |
| C907 | 1-161-055-00 | CERAMIC | 0.022uF | 10% | 50V |
| C908 | 1-126-942-61 | ELECT | 1000uF | 20% | 25V |
| C909 | 1-136-169-00 | MYLAR | 0.22uF | 10% | 50V |
| C910 | 1-136-169-00 | MYLAR | 0.22uF | 10% | 50V |
| | | < CONNECTOR > | | | |
| * CNP901 | 1-506-780-11 | PLUG, CONNECTOR (2.5MM) 5P | | | |
| | | < DIODE > | | | |
| D901 | 8-719-046-07 | DIODE 2A02M | | | |
| D902 | 8-719-046-07 | DIODE 2A02M | | | |
| D903 | 8-719-046-07 | DIODE 2A02M | | | |
| D904 | 8-719-046-07 | DIODE 2A02M | | | |
| D905 | 8-719-031-85 | DIODE 1N4002L | | | |
| D906 | 8-719-050-84 | DIODE RB441Q-40T-77 | | | |
| D907 | 8-719-991-33 | DIODE 1SS133T-77 | | | |
| D908 | 8-719-153-42 | DIODE RD2.7EB2TN | | | |
| D909 | 8-719-031-85 | DIODE 1N4002L | | | |
| D910 | 8-719-031-85 | DIODE 1N4002L | | | |
| D911 | 8-719-031-85 | DIODE 1N4002L | | | |
| | | < FUSE > | | | |
| ⚠F901 | 1-532-465-31 | FUSE (3.15A/250V) (EXCEPT SP) | | | |
| ⚠F901 | 1-576-109-11 | FUSE (5A/125V) (SP) | | | |
| | | < AC INLET > | | | |
| ⚠J901 | 1-526-838-11 | INLET, AC 2P (～ AC IN) | | | |
| | | < RESISTOR > | | | |
| ⚠R901 | 1-208-737-51 | FUSIBLE | 2.2 | 5% | 1/4W F |
| | | < TRANSFORMER > | | | |
| ⚠T901 | 1-433-829-11 | TRANSFORMER, POWER | | | |

**********

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety.
Replace only with part number specified.

# RECORD/PLAYBACK SWITCH

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| * | 1-672-178-11 | RECORD/PLAYBACK SWITCH BOARD | |
| | | ********** | |
| | | < CONNECTOR > | |
| CNP301 | 1-506-987-11 | PIN, CONNECTOR (PC BOARD) 5P | |
| | | < RESISTOR > | |
| R102 | 1-249-417-11 | CARBON 1K 5% | 1/4W |
| R202 | 1-249-417-11 | CARBON 1K 5% | 1/4W |
| | | < SWITCH > | |
| S301 | 1-692-167-11 | SWITCH, SLIDE (REC/PB) | |
| ********** | | | |
| | | MISCELLANEOUS | |
| | | ********** | |
| 103 | 1-790-240-11 | WIRE, PARALLEL (FFC) (28 CORE) | |
| 104 | 1-790-241-11 | WIRE, PARALLEL (FFC) (10 CORE) | |
| 110 | 1-452-899-11 | MAGNET | |
| * 114 | 1-790-242-11 | WIRE, PARALLEL (FFC) (16 CORE) | |
| 402 | X-2626-202-2 | CHASSIS ASSY (MB), MOTOR (SPINDLE) | (INCLUDING M701) |
| ⚠404 | 8-848-483-05 | PICK-UP, OPTICAL KSS-213C/Q-RP | |
| ANT1 | 1-501-383-21 | ANTENNA, TELESCOPIC | |
| ⚠F901 | 1-532-465-31 | FUSE (3.15A/250V) (EXCEPT SP) | |
| ⚠F901 | 1-576-109-11 | FUSE (5A/125V) (SP) | |
| HE301 | 1-543-876-11 | HEAD (ERASE) (DECK B) | |
| HP301 | 1-500-454-11 | HEAD, MAGNETIC (PLAYBACK) (DECK A) | |
| HRP301 | 1-500-454-11 | HEAD, MAGNETIC (RECORD/PLAYBACK) | (DECK B) |
| M301 | A-3311-837-A | MOTOR ASSY (W) (CAPSTAN/REEL) | |
| M702 | X-2625-769-1 | GEAR ASSY (MB), MOTOR (SLED) | |
| S303 | 1-771-646-11 | SWITCH, LEAF (HIGH-SPEED DUBBING) | |
| S304 | 1-771-686-11 | SWITCH, LEAF (MD POWER) (DECK A) | |
| S305 | 1-762-679-11 | SWITCH, LEAF (MD PLAY) (DECK A) | |
| S306 | 1-762-679-11 | SWITCH, LEAF (MD PLAY) (DECK B) | |
| S307 | 1-771-686-11 | SWITCH, LEAF (MD POWER) (DECK B) | |
| S801 | 1-692-960-11 | SWITCH, PUSH (1 KEY) | (CD DOOR OPEN/CLOSE) |
| SP901 | 1-529-185-11 | SPEAKER (10cm) (L-CH) | |
| SP902 | 1-529-185-11 | SPEAKER (10cm) (R-CH) | |
| ⚠T901 | 1-433-829-11 | TRANSFORMER, POWER | |
| ********** | | | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| | | ACCESSORIES & PACKING MATERIALS | |
| | | ********** | |
| ⚠ | 1-769-412-13 | CORD, POWER | |
| ⚠ | 1-770-019-11 | ADAPTOR, CONVERSION PLUG 3P (UK) | |
| | 3-027-153-11 | LID, BATTERY CASE (for RMT-CZW750AD) | |
| | 3-865-708-41 | MANUAL, INSTRUCTION (ENGLISH,SPANISH) | (AEP,UK,EE,SP) |
| | 3-865-708-51 | MANUAL, INSTRUCTION (FRENCH,GERMAN) | (AEP,SP) |
| | 3-865-708-61 | MANUAL, INSTRUCTION (DUTCH,PORTUGUESE) | (AEP) |
| | 3-865-708-71 | MANUAL, INSTRUCTION (POLISH,CZECH, | HUNGARIAN) (CET) |
| | 3-865-708-81 | MANUAL, INSTRUCTION (SWEDISH,FINNISH) | (CET) |
| | 3-865-708-91 | MANUAL, INSTRUCTION (RUSSIAN) (EE) | |
| | A-3250-916-A | REMOTE COMMANDER RMT-CZW750AD/C SET | |
| ********** | | | |
| | | ********** | |
| | | HARDWARE LIST | |
| | | ********** | |
| #1 | 7-685-649-79 | SCREW +BVTP 3X14 TYPE2 N-S | |
| #2 | 7-682-548-04 | SCREW +B 3X8 | |
| #3 | 7-685-647-79 | SCREW +BVTP 3X10 TYPE2 N-S | |
| #4 | 7-685-648-79 | SCREW +BVTP 3X12 TYPE2 N-S | |
| #5 | 7-685-783-09 | SCREW +PTT 2X6 (S) | |
| #6 | 7-685-782-01 | SCREW +PTT 2X5 (S) | |
| #7 | 7-685-136-19 | SCREW +P 2.6X12 TYPE2 NON-SLIT | |
| #8 | 7-685-791-09 | SCREW +PTT 2.6X5 (S) | |
| #9 | 7-685-533-19 | SCREW +BTP 2.6X6 TYPE2 N-S | |
| #10 | 7-685-000-12 | SCREW +PTPWH 2X4 TYPE2 | |
| #11 | 7-685-903-31 | SCREW +PTPWH 3X10 (TYPE2) | |
| #12 | 7-682-147-01 | SCREW +P 3X6 | |

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Replace only with part number specified.

9-926-988-11

**Sony Corporation**
**Personal A&V Products Company**


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